

# Comprima

Round Balers
Baler Wrapper Combination





# KRONE – a successful tradition for more than 100 years

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Market leading

Innovative

Customer focused

KRONE has been an established brand name in the farming world for as long as a century. What started out as a small blacksmith shop developed into a leading forage specialist. It's the perfect mix of innovative power, market leader expertise and close customer relations that has made our company so successful over all these years. Our focus on quality and customer care has led to a large number of impressive and unique selling points.



It all begins with dialogue. KRONE engineers maintain a close relationship with our customers and distributors. Together they study markets, trends and needs.



Our designers use advanced computer technology to design new machines and simulate their in-field operation on computer screens. This way, they are able to begin with optimisation as early as in the design phase.



The next phase is building the prototype, a task that is entrusted to experienced engineers, who assemble the new KRONE machine in close cooperation with the designers.

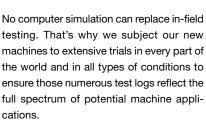


KRONE – we identify market trends ahead of time, maintain a close dialogue with our customers and spearhead new developments. Take our round balers: As early as 1973, KRONE introduced a round baler that featured an enclosed bale chamber and an endless elevator with slats, which ensured reliable and consistent bale rotation. Requiring only low input power, this round baler from KRONE has proven exceptionally reliable even in the most difficult conditions, where it produces tight and well-shaped bales



from straw, hay and silage. This is what farmers asked for. And this is what sets KRONE apart from its competitors today – we listen and implement user requirements quickly and flexibly.







Quality pays. To produce quality products, we check and log every possible detail. On top of all that, we call in external inspectors to carry out unbiased machine assessments.



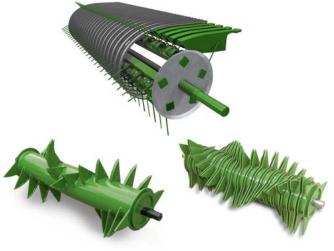
All this hard work pays off – as is confirmed by our customers in every part of the world. Our ongoing dialogue and our quality assurance programmes pay off. After all, it is not for nothing that KRONE has become a worldwide synonym for first-class forage technology – made in Germany.





#### Comprima

The powerful range of round balers



#### **Easy Flow**

The first cam trackless pick-up on a round baler



Smooth crop flow into the chamber via feed rotor or rotor cutter

X-Cut – the cutting edge with 17 or 26 knives



#### **NovoGrip**

The grippy baling system A KRONE exclusive!



#### Comprima F 125, F 125 XC

The fixed chamber round baler for 1.25 m (4'1") diameter bales



#### Comprima F 155, F 155 XC

The variable chamber round balers for 1.00 m -1.80 m (3'3"-5'11") diameter bales



## Comprima V150, V150XC, V180, V180XC, V 210, V 210 XC

The variable chamber round balers for 1.00 m -2.05 m (3'3"-6'9") diameter bales



#### Net and twine wrapping

Active net / twine feed systems



Alpha, Beta, Gamma and CCI 200 Specify your needs



Productivity up, downtime down

## Comprima CF 155 XC, CV 150 XC, CV 210 XC

CF 155 XC, baler wrapper combination with semi-variable fixed chamber CV 150 XC and CV 210 XC, baler wrapper combination with variable chamber

#### Twin arm wrapper

Two arms, twice the speed

#### **Running gears**

On the road to success Single and tandem axles

#### **Technical data**

Specifications in close-up























## Comprima – the powerful range of round balers

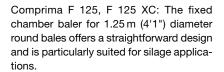
- Three chamber systems: Fixed, Semi-variable, Variable
- Unique: The semi-variable fixed chamber produces balediameters from 1.25 to 1.50 m (4'1" to 4'11")
- The cam trackless EasyFlow pick-up
- NovoGrip belt and slat elevator
- X-Cut 17, X-Cut 26, rotor cutters with lowering knife floors

Breaking new ground in round baling technology, Comprima sets a new benchmark in round baler manufacturing. Buying Comprima means buying into KRONE's vast experience and

expertise in baler manufacturing. After all, KRONE is aware of farmer needs. Comprima boasts a host of innovative features, including a cam trackless EasyFlow pick-up and the new NovoGrip elevator made up of rubber treaded fabric belts in combination with horizontal slats. The system achieves dramatically higher bale densities and throughputs while enhancing smooth running and reducing wear and maintenance. You name it, KRONE builds it.









Comprima F 155, F 155 XC: The fixed chamber round baler boasts the semi-variable system to produce bales of six different diameters – from 1.25 m to 1.50 m (4'1" to 4'11"). This semi-variable chamber is a unique and exclusive KRONE design.



Comprima V 150, V 150 XC, V 180, V 180 XC, V 210 and V 210 XC models with variable bale chamber produce bales of 1.00-2.05 m (3'3"-6'9") diameters. KRONE NovoGrip comprises two slat elevators that are controlled by a double swing and translates into highest densities.



Model	Bale chamber	Bale width x diameter	
Comprima F 125, F 125 XC	Fixed chamber	1.20 m x 1.25 m (3'11"x 4'1")	
Comprima F 155, F 155 XC	Semi-variable fixed chamber	1.20 m x 1.25 m to 1.50 m (3'11" x 4'1" to 4'11")	
Comprima V 150, V 150 XC	Variable chamber	1.20 m x 1.00 m to 1.50 m (3'11" x 3'3" to 4'11")	
Comprima V 180, V 180 XC	Variable chamber	1.20 m x 1.00 m to 1.80 m (3'11" x 3'3" to 5'11")	
Comprima V 210, V 210 XC	Variable chamber	1.20 m x 1.00 m to 2.05 m (3'11" x 3'3" to 6'9")	
Comprima CF 155 XC	Semi-variable fixed chamber twin arm wrapper	1.20 m x 1.25 m to 1.50 m (3'11" x 4'1" to 4'11")	
Comprima CV 150 XC	Variable chamber with twin-arm wrapper	1.20 m x 1.00 m to 1.50 m (3'11" x 3'3" to 4'11")	
Comprima CV 210 XC	Variable chamber with twin-arm wrapper film wrapped unwrapped	1.20 m x 1.00 m - 1.75 m (5'9") 1.20 m x 1.00 m - 2.05 m (6'9")	







Comprima CF 155 XC: The first baler wrapper combination with semi-variable fixed chamber is a unique and exclusive KRONE-design, which produces round bales of different diameters – from 1.25 m to 1.50 m (4'1" to 4'11").

Comprima CV 150 XC is the baler wrapper combination that features a variable bale chamber and a twin-arm wrapper to produce 1.00 m-1.50 m (3'3"-4'11") diameter bales. This model is specified with the 17-knife XC rotor cutter as standard specification

Comprima CV 210 XC: The biggest variable-chamber baler wrapper is a KRONE exclusive. This combination baler wrapper produces 1.00 - 2.05 m (3'3"-6'9") diameter bales in hay and straw and film wraps 1.00 - 1.75 m (3'3"-5'9") silage bales.



### **EasyFlow**

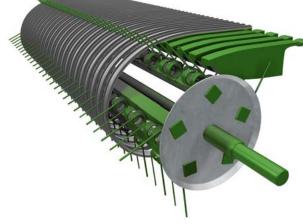
#### the first cam trackless pick-up on a round baler

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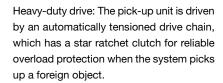
- Cleaner gathering
- Higher productivity
- Quieter running
- Harder wearing
- Lower meintenance

KRONE is the first manufacturer to offer a pick-up without cam track. The highlight of this pick-up unit is the special design of galvanized scrapers, which ensure a continuous flow of crop as the tines retract. EasyFlow operates at a higher

speed for cleaner gathering and higher productivity.









Smooth flow of crop: Massive augers feed the crop from the sides to the middle of the machine to ensure a smooth flow of material from the wide pick-up unit into the narrower bale chamber.



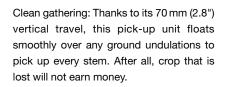
KRONE delivers to farmers' needs. The gauge wheels are height adjustable without tools to provide swift adaptation to current conditions. Running on pneumatic wheels, the unit gives a particular smooth ride.



The benefits are clear to see: The new EasyFlow pick-up gives very quiet running and boasts a straightforward design as well as a significantly reduced number of moving parts. Less wear, in turn, means lower maintenance and service costs. EasyFlow operates at a 30% higher speed than traditional systems to pick up more material more cleanly. Its wide working width of 2.15 m (7'1") (DIN 11220) gives operators the edge in wide windrows as well as in corners and bends. The standard roller crop guard ensures a continuous flow into the machine, even in less than uniform windrows while five rows of tines spaced 55 mm (2.2") apart leave nothing behind.









Space enough: Lifting out 30 cm (11.8"), the pick-up offers a generous ground clearance. At the same time, there is more space underneath the rotor, which allows blockages to be removed from this area.



A thought-through system: Coil springs adjust the ground pressure while chains fix the unit at its current working height. Fitting the chains at short lengths allows operating the pick-up without gauge wheels.



## Feeder rake, feeder rotor or rotor cutter

- Continuous flow of crop
- Uniform bale density
- High pick-up capacity
- X-Cut 17 rotor cutter 64 mm (2.5") knife spacing
- X-Cut 26 rotor cutter min. 42 mm (1.7") knife spacing

The KRONE Comprima round balers are equipped with either a feed rotor or a rotor cutter. Either system ensures an extremely smooth flow of material from the pick-up into the bale chamber. The X-Cut rotor cutters are specialist systems when it comes to achieving even higher bale densities and producing bales that break up easily in the feeding process. The rotor pulls the crop persistently through a maximum number of 17 or 26 knives, which are arranged on one plane.









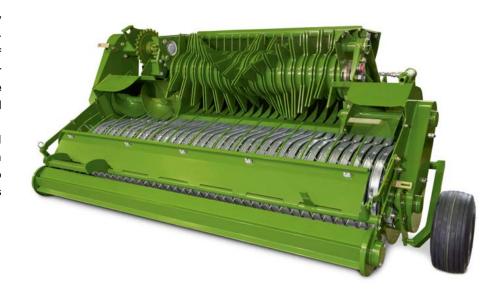
Very grippy: Designed to handle massive volumes of crop, the feed rotor has an enormous capacity even when dealing with short forage that is picked up from small windrows, ensuring a positive and consistent flow of material to the baling chamber and leaving nothing behind. The feed rotor features two rows of welded tines in helical arrangement to ensure a uniform crop flow into the baling chamber and boost the overall pick-up capacity.

Massive and powerful: The large 530 mm (1'9") diameter feed rotor provides impressive reliability and throughput. It is driven by a gear wheel system that supplies frictional connection and a uniform power flow.

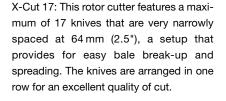


Highest throughputs and a superior quality of chop require a technology to match. More than just a cut-and-feed unit, the cutter also takes care of pre-compression. KRONE X-Cut rotor cutters are systems that provide an outstanding quality of cut and capacity.

They feature three rows of welded tines in chevron formation, which provide for continuous cuts and help spread the material uniformly across the entire chamber width.









X-Cut 26 for shorter cuts: This rotor version offers 26 knives that are spaced 42 mm (1.7") apart to provide for an outstanding quality of silage and higher bale densities as well as easier break-up at the feed passage.



Positive: All rotors are driven by massive spur gears, which withstand even the highest loads and provide positive and dependable drive power even when dealing with less than uniform windrows.



### **KRONE X-Cut**

#### The cutting-edge concept

- Controlled cutting
- Automatic system operates0, 8, 9, 17 knives or0, 13, 13, 26 knives
- Individually protected knives
- Knife fitting/removal without tools
- Hydraulic knife floor

Finest quality of cut! XC rotor cutters from KRONE deliver. Specified with either 26 or 17 knives arranged on one plane and giving a nominal chop length of 42 mm (1.7") or 64 mm (2.5"), these systems provide cuts that make for higher bale densities, an enhanced quality of silage as well as easier and faster bale

break-up on the feeding floor. Straw that is cut to short lengths provides for easier spreading and better absorption of liquids while being easier to dispose of. Short cuts pay their way.



Smooth cutting: Comprima knives cut the crop across the entire length of the cutting edge. As the system pulls crop through the knives, cutting requires less power and is smoother, too. Their wavy edge provides for longevity and clear cuts over a long period of time.



Peace of mind: All knives are individually protected by coil springs to break back when hitting a foreign object. Once the object has passed, they return automatically to their previous position.



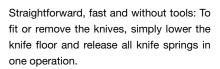
No escape: The tines pull the crop persistently through the narrowly spaced knives so that the crop cannot slip away and escape cutting. As a result, it cut clean and precise.



A familiar situation to any farmer – fail to pay attention for a moment in uneven windrows and suddenly the machine blocks up. Removing the blockage is no problem at all on Comprima XC. Simply lower the knife floor to increase the cross section of the feed area and allow the crop to pass smoothly, removing the blockage. There is no need to reverse the rotor cutter. Besides, there is no need to pick the crop up again. The hydraulic floor saves time and protects the machine and still gives easy access to the knives.

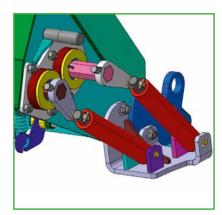








The knife operation system: The system selects a specific set of knives to set various cutting lengths. There is no need to remove individual knives. You can select 8, 9, 17 knives to obtain 64 mm (2'5") or 128 mm (5") knife spacings and 13, 13, 26 knives for 42 mm (1.7") or 84 mm (3.4") spacings. Set the control to 0 position to slide out all knives.



Highest operator comfort comes from the hydraulic knife selection system, which is available as an option. Select the full or half the number of knives conveniently from the tractor seat and chop the crop to the length required. Set the system to 0 and all knives retract from the feed channel and the system is not cutting.

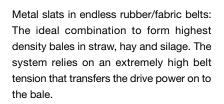


## NovoGrip – firm grip on the crop

- Positive bale feed
- High loading
- Unmatched bale densities
- Quiet and smooth running
- Absolutely maintenance-free
- High longevity

NovoGrip is a new and unique baling concept, which has been developed during years of research and development. NovoGrip combines the bale feed strengths of chain and slat elevators with the quiet running of belt systems. To form high-density and well-shaped bales, NovoGrip relies on an endless elevator, the slats of which mounting in rubber/fabric belts.







The secret behind the 100 % load rating: Layers of fabrics and rubber form an endless belt, which is vulcanised at the end of the process that creates belts of absolute strength for 100 % loading.



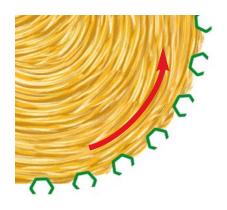
The belt structure: Each belt is made of three layers of high-strength polyester and polyamide fabrics plus a layer of rubber treading vulcanised to either side. The tread pattern gives the belt its superior elasticity and strength of high longevity.



over in a wide variety of applications and conditions. Therefore they need to perform equally well in straw, hay or silage. The challenge is well-known to anybody in the industry. Straw and hay tends to be very brittle at the end of a long and dry spell. Moisture contents vary from dry to heavy and wet silage while high sugar contents lead to 'sticky' problems. NovoGrip responds to these requirements and provides dependable operation in all of these conditions. KRONE Novogrip gives you true peace of mind. It is gentle but firm on the crop. As the slats 'mesh' with the bale, this keeps rolling while the belts provide the high pressure.







Keep the bale turning: As the slats mesh with the crop, they provide a positive feed – at all times and in all conditions, even in dry and brittle straw. KRONE NovoGrip excels in the most difficult conditions.



Durable and strong: The slat holders are bolted to the belts, with bolts mounting in bushes. The bushes also serve as distancers to provide the space that is required to tighten and lock the screws. The slat holders are mounted well protected between the rubber lugs.



Quality is key: We constantly test the belts for resistance to tear and separation of fabric layers and the rubber vulcanised to them. In practical operation, the load on the belts is only 10 % of their rated resistance to tear.

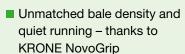


## The fixed chamber round baler with milling effect

Comprima F 125, F 125 XC

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■ 1.25 m (4'1") diameter round bales



Straightforward design, few drive chains

Optional X-Cut rotor cutter

Take advantage of the new fixed chamber round baler Comprima F 125. These machines feature the effective and cam trackless pick-up unit, the high-density NovoGrip baling system,

A straightforward design as well as high durability and ease of maintenance – all assets that will pay off fast.





Efficiency to match: The central gearbox (540 rpm) transfers the power to short and direct driveshafts on either side for optimum distribution of the power.



Tidy: Drive chains are few and far between to minimise the required input power, increase operational reliability and reduce running costs.



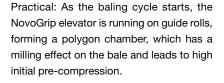
Uncluttered: All components and drives are easy to check and get at for convenient servicing and maintenance.



The KRONE fixed chamber round balers offer superior baling in silage, hay and straw, giving smooth operation in all crops as well as being exceptionally easy to operate and service. Built to a modular system, these models are available with a wide range of different specifications for you to tailor your baler to your needs. Customize your baler to your needs. Choose from a wide variety of specifications, such feed arm, feed rotor or XC rotor cutter with 17 or 26 knives, as well as double-twine or net wrapping, tandem axle, and 'Medium', 'Comfort' or 'CCI-ISOBUS' control system.









In best shape: As baling density increases, the elevator belts follow a different path, taking off from the guide rolls at the top and forming a circular chamber, the diameter of which determines the eventual diameter of the bale.



Dependable: As baling continues, the belt/slat elevator transfers the pressure to the springs, the tensioning bars and rolls. The degree of coil spring tension indicates the current compression. Yet, due to the geometries inside the chamber it cannot alter the bale diameter.



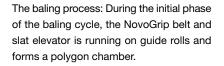
#### Semi-variable fixed chamber baler

Comprima F 155, F 155 XC

- The fixed chamber baler with variable properties
- 6 different 1.25 m 1.50 m (4'1" 4'11") bale diameters
- KRONE NovoGrip ultimate bale densities and quiet running
- Straightforward design
- Easy service and maintenance

Comprima F 155 and F 155 XC with semi-variable bale chamber are the first round balers that operate on the fixed chamber principle whilst producing bales of variable diameters that range from 1.25 m to 1.50 m (4'1" to 4'11"). Combining the functions of both fixed and variable chambers, the semi-variable chamber is a unique system on the world market. Relying on the new NovoGrip system, the design combines quiet running with high baling pressure. Comprima F155 XC features the X-Cut rotor cutter with up to 26 knives.







The chamber becomes circular: As more material is flowing into the chamber, the NovoGrip elevator forms a circle. The fabric belts continue running on the guide rolls until the bale diameter is 1.20 m (3'11").



As soon as the bale diameter is 1.20 m (3'11"), the elevator lifts off from the guide rollers. As it does so, the tensioning bar moves down against spring-loaded stop rods, easing the restraint on the elevator and allowing it to expand and allow for a larger bale diameter.



Forward-looking farmers and contractors ask for innovative machinery that empowers them to increase their profitability and efficiency. Combining the strengths of fixed and variable bale chambers, the new Comprima F 155 with semi-variable bale chamber is a step forward. Boasting a straightforward design, Comprima F 155 and F 155 XC prove more cost saving and easier to service and maintain than variable chamber round balers. They produce bales of various diameters, with densities decreasing towards the centre with a relatively small and soft core even in large diameter bales and high bale weights.





An ingenious system: The spring-loaded and telescopic stop rods on either side of the tailgate restrain the tensioning swing and thereby the elevator as it lifts off its guide rolls, which marks the moment when the bale has reached its preset diameter.



The stop rod/pin setting system: Here you set bale diameters from 1.25 m to 1.50 m (4'1" to 4'11") in 5 cm (2") steps. As you refit the pins in these telescopic stop rods, you restrain or release the tensioning swing and ultimately set the bale diameter.



Straightforward and simple: The semivariable Comprima F155 boasts a straightforward design and compact and relies on fewer components than a variable round baler.



#### Variable chamber balers

Comprima V 150, V 150 XC, V 180, V 180 XC, V 210, V 210 XC

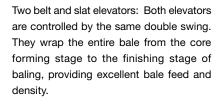
- Comprima V 150: 1.00 - 1.50 m (3'3" - 4'11") diameter bales
- Comprima V 180: 1.00 - 1.80 m (3'3" - 5'11") diameter bales
- Comprima V 210: Bale diameters 1.00 - 2.05 m (3'3" - 6'9")
- Compression increases progressively as bale grows in diameter
- Two separate NovoGrip belt/slat elevators

The Comprima V 150, V 180 and V 210 variable round balers will be: round balers will be the machinery of choice, if you are looking for high throughputs and high densities. These round balers not only deliver high density bales, high quality of work and high level of standard specification but also boast a

double-swing guidance for the two elevators. The system comprises a double swing, the uncontrolled EasyFlow pick-up and the optional X-Cut cutter with hydraulic knife floor.









A pressure control valve sets the bale density: As the bale grows and ram geometries inside the baler change, the pressure on the bale increases, ensuring the density is very high also in the outer layers of large-diameter bales. An electric pressure control is available as an option.



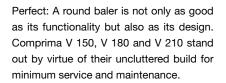
Standard soft core kit: Hay bales usually require a softer core for moisture to evaporate. The soft core is controlled by the bale chamber diameter in the initial phase of baling.



High versatility and utilization are key parameters in cost-effective round baler operation. The new variable Comprima V 150, V 180 and V 210 round balers were designed in response to contractor demands and are capable of producing bales of up to 1.5 - 1.8 m (4'11" - 5'11") and 2.05 m (6'9") diameters. Smaller bale sizes are often preferred in grass silage whilst larger bales are typical in hay and straw. The bale diameter is set infinitely variable and a softer core is possible so moisture can evaporate from hay bales for example. The chamber rolls the bale in a counterclockwise sense, which ensures high throughputs and a continuous crop flow from the bale start.

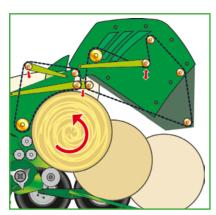








Variable baling: As more material enters the bale chamber, the two NovoGrip elevators press layer by layer to form tight and well-shaped bales. The slats mesh with the crop for a positive bale feed at any stage of the cycle.



The pressure is supplied by a hydraulic ram via the front double swing and the rear tensioning rods. As soon as the bale reaches its preset diameter, net wrapping is triggered. As a last step, the tailgate opens and the bale is ejected.



## Perfect wrap for perfect shape

- Active net feed via swing arm and guide plate
- Positive net feed Short feed line
- Automatic start of wrapping
- RoundEdge system for all common types of net
- QuattroSpeed: Four threads wrapping up in no time

The KRONE Comprima round balers are available with a net wrap system and the QuattroSpeed twine wrap system, which uses four threads instead of two. Net wrapping offers the advantage of shorter wrapping cycles and more bales per hour than twine wrapping. The higher output frees up time

that you can spend on other jobs and reduce the amount of fuel used per bale. The net wrap system accepts 3,600 m (2.24 mi) rolls.





High storage capacity: The large and waterproof twine storage box holds up to 10 balls of twine or 4 balls of twine and 2 rolls of net or 3 net rolls. The net rolls (up to 3,600 m (2.24 mi)) are secured by a retainer.



Electric net feed: At the end of the baling cycle, net wrapping is triggered by an electric motor, which actuates a serrated guide plate to feed the net into the bale chamber.



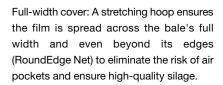
Wrapped up tight: The adjustable net brake makes for tight wraps and well-shaped bales that do not loose shape in transport. It is also very beneficial when using different types and qualities of net.



The net wrap system is located at the machine's front end. This position offers many benefits, such as a shorter distance to the baling chamber and therefore a more dependable net feed. In addition, this position allows you to watch the net feed process. Net replacement is convenient and safe, because the operator can stand upright. To replace an empty roll, simply swing out the dispenser shaft and slide the fresh roll onto it. Then feed the net into the net wrap system.









Bale watch: A sensor senses the number of wraps on a crown gear and sends the signals to the cab computer. Once the programmed number of wraps is completed, the net is cut automatically.



Clean cut: The knife spans across the full machine width. As a pawl is released, the knife swings underneath the tensioned net to perform the cut.



#### Net wrapping - straight, simple and effective

Perfect solution: The net is started and fed directly into the bale chamber. Therefore, it is not necessary to be picking up material to start net wrapping. A plate with a serrated edge grabs the net and moves it the feed roller, where it is applied to the bale. The process is controlled by an electric swing. The feed roller feeds the net through the baling rollers and the bale picks it up and pulls it into the chamber, which starts the wrapping cycle. Once the cycle is completed, the knife swings in to cut the net – a fast, dependable and effective system.





Net start position: The guide plate is in a raised position during baling, with the net hanging approx. 20 cm (7.9") from its serrated edge. The knife is still in cutting position and the net brake is applied.



Net feed position: The swing controls the guide plate with dangling the net to the feed roller. This feeds the net into the bale chamber, where it is picked up by the bale. The net brake is released and the knife is swung out.



Net wrap position: The swing returns the plate into wrapping position. The brake tensions the net. The bale pulls the net over the stretching hoops and the guide plate and on into the chamber. The wrapping cycle starts.



#### **QuattroSpeed: The revolution in twine wrapping**

QuattroSpeed is the new KRONE tying system that uses four threads rather than two, slashing the time spend for tying cycle substantially. Simple by design, KRONE QuattroSpeed is an extremely dependable system, which ensures the four threads overlap perfectly and multiple twine layers are applied on the edges. QuattroSpeed is started automatically or manually from the operator terminal.





Net cutting position: The guide plate is fully raised. The pawl on the cutting system is released, the knife swings into the tensioned net, cutting it as it does so.



Perfect twine guidance: A coned pulley controls the number of twine layers applied per cycle. Two guide blocks space the four threads uniformly across the full width of the bale. As the cycle starts, the threads run over the rubber wheel and the pressure roller and into the bale chamber, where they are picked up by the rolling bale. The threads are always attached and cut in the middle of a bale so you won't find them sticking out on the edges. QuattroSpeed delivers well-shaped bales.



## Alpha, Beta, CCI 200

#### control tailored to your needs

Convenient

■ Well laid out

■ Compact

 Terminal Beta and CCI 200 with graphical user interface

CCI ISOBUS: One for all Operator comfort must be top-notch. The KRONE Comprima round balers offer customized control options. Choose between

our Alpha, Beta and ISOBUS terminals with or without

CCI terminal. The CCI terminal serves as a master

control unit for all ISOBUS machines of many manufacturers.







This is the all-important control box: The job processor of the 'Medium' and 'Comfort' control system records all sensor signals and transfers them to the terminal. It also triggers the automatic tying cycle.



Well-shaped bales: If specified with the Medium electronic system, Comprima F 125 and F 155 will have a scale on either side at the front. These indicate the current pressure inside the baling chamber.



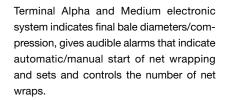
At a glance: The Medium electronic system variable round balers have scales on either machine side, which indicate the current bale diameter. The system produces absolutely uniform bales.



The shock-proof Alpha, Beta and CCI 200 terminals are as easy to operate and handle. Fitting/removing the cabbased unit is easy and straightforward. Simply attach it to its magnet holder within your field of vision. The well laidout and easy-to-use systems have LED lights (Alpha) or backlit keys (Beta) for easy operation at night. The new CCI terminal offers ISOBUS control to a unified concept that embraces most models. Symbols, menus and overall operation make it easy to recognize for KRONE users.









Terminal Beta and Comfort electronic system offers a graphical user interface and extra functions, such as indicating the current baling pressure or bale diameter, bale count as well as valve and sensor functions.



One box for all: CCI 200 not only comprises all functions of the terminal Beta but is compatible with all ISOBUS equipment. The display features intuitive and high-technology control.

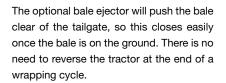


#### Comprima - productivity up, downtime down

KRONE Comprima round balers feature a host of innovative functions that you will surely appreciate. Their straightforward design provides easier handling and operation while guaranteeing minimum maintenance and maximum longevity. Maintenance benefits from lubrication banks and an eccentric pump for automatic chain lubrication. The well-conceived design is complemented by further options that enhance output and reduce wear both on tractor and machine. Take, for example, the bale ejector, which eliminates the need to reverse the tractor when unloading the bale.









Longer service life: The automatic chain lubrication system with large oil reservoir and eccentric pump is optional specification that minimises maintenance and boosts Comprima's cost-effectiveness.



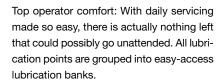
Automatic lubrication: An eccentric pump supplies oil to the chain drives. The rate is set on the eccentric control. With grease points located in protected areas, lubrication is more effective and longer lasting.



KRONE round balers are not only designed for highest densities and outputs but are also outstanding for their straightforward layout and easy accessibility. Service and maintenance on Comprima is as easy as it can get. The panels open easily and from the ground, giving convenient access for brief checks and attention to the drives.









Smooth running: The heavy-duty roller chains bear the highest loads and feature spring-loaded and automatic tensioners to reduce maintenance and enhance longevity.



Curved and typically KRONE: The stylish plastic panels are shock-proof, UV stable, weather resistant and withstand heat and cold.



## Baler wrapper combinations with NovoGrip system

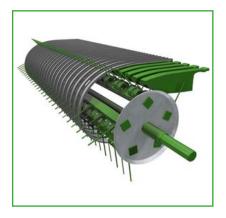
Comprima CF 155 XC, CV 150 XC, CV 210 XC

- Cut labour and fuel costs
- Separate hydraulic system
- Maximum operator comfort
- NovoGrip highest densities and quiet running
- Camless EasyFlow pick-up
- 17 knives (standard)26 knives (option)

Comprima CF 155 XC with semi-variable bale chamber,
Comprima CV 150 XC and CV 210 XC with variable bale chamber –
a formula that works. These baler wrapper combinations integrate
two operations in one machine, eliminating

the use of a second tractor and operator. Moreover, with the baling and wrapping modules coming from the same manufacturer, all machine functions and cycles are automatically controlled and perfectly

sequenced to provide an absolutely smooth performance.



KRONE EasyFlow: Comprima baler wrapper combinations are specified with the camless EasyFlow pick-up unit, which offers a working width of 2,150 mm (7'1") (DIN 11220). Operating at a 30 % higher speed, these balers have an enormous appetite and deliver unmatched throughputs.



The XC rotor cutter: Operating mostly in wilted silage, all baler wrapper combinations are specified with the XC rotor cutter that is specified either with 17 or 26 individually spring-loaded knives.



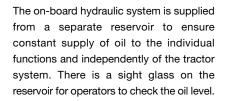
The NovoGrip elevator with rubber treaded fabric belts and slats is standard specification on all Comprima baler wrappers. The unique system delivers high bale densities while providing quiet running and maximum longevity.



If the task is to harvest quality silage, Comprima CF 155 XC, Comprima CV 150 XC and Comprima CV 210 XC will give you true peace of mind. Wrapping right after baling, these combinations ensure the silage quality does not deteriorate as the bale sits in the field, waiting to be wrapped. In addition, a combination eliminates the risk of crop contamination as bales are not placed on the ground before film wrapping. Heavy crop is no problem either, thanks to a separate hydraulic system that controls and sequences all functions as well as standard tandem axles that reduce the risk of rutting.









The separate gearbox: The baler is driven by a main gearbox and the hydraulic system by a slip-on gearbox with oil pump. Both drivelines disconnect easily for the hydraulic system to continue operation in the event of a blocked main gearbox.



Flexible: Comprima CF 155 XC, CV 150 XC and CV 210 XC offer the flexibility to bale hay and straw bales without film wrapping them. This means that the bales are dropped in pairs for efficient handling and loading.



## **Unique – the first baler wrapper** with semi-variable fixed chamber

#### Comprima CF 155 XC

- 6 different 1.25 1.50 m (4'1"-4'11') bale diameters
- Automatic bale/wrap function management
- Reliable bale transfer by lift arm
- Compact and short design

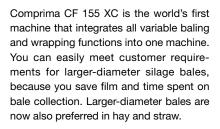
Comprima CF 155 XC. It is the only baler wrapper combination that features a semi-variable fixed bale chamber. This bales

(4'1"-4'11") diameters. Built to a short and compact design, the machine boasts the NovoGrip system

and a standard tandem axle.









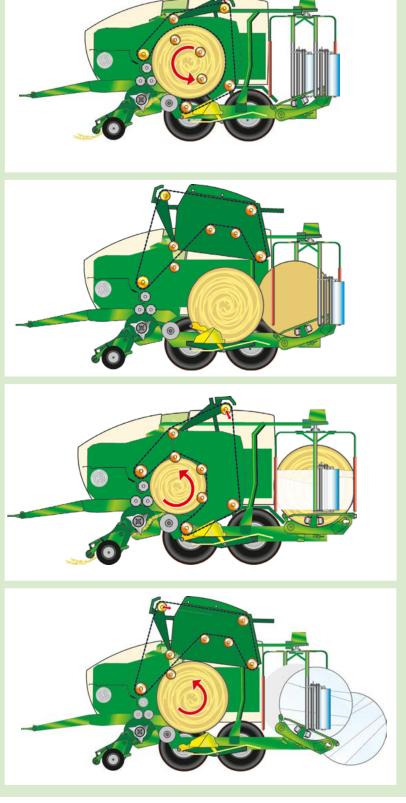
Precision control: The lift arm places the bale fast, accurately and centrally on the wrapping table, even on hillsides.



The pin setting system: Bale diameters are set in 5 cm (2") steps from 1.25 m to 1.50 m (4'1" to 4'11") by refitting a pin on the rods on either side of the machine. The rods adjust the baling pressure of the NovoGrip system. It's easy.



A fully automatic and integrated system: As soon as the baling chamber is filled or the preset density is reached, the system signals the operator to stop. The net is fed into the baling chamber and net wrapping starts. Then the tailgate opens and the lift arm transfers the bale onto the wrapping table. As the baler resumes baling, the wrapper starts wrapping and stops automatically when the preset number of wraps has been applied. Next time the combination stops, because the current baling cycle is completed, the wrapping table tips to the rear to drop the bale onto a rubber mat. As expected, the operator can override any machine function from the control unit and determine the point of bale discharge.





## Baler wrapper combination with variable chamber Comprima CV 150 XC

- Variable 1.00 1.50 m (3'3"-4'11") bale diameters
- KRONE NovoGrip High density Quiet running
- Automatic bale/wrap function management
- Reliable bale transfer via chain and slat conveyor

KRONE Comprima CV 150 XC is a baler wrapper combination that features a variable bale chamber. It shares the baling module with the CV 150 XC variable round baler with XC cutter. Its NovoGrip baling system produces highest

density bales of variable diameters from 1.00 m to 1.50 m

(3'3"-4'11").







A fully automatic and integrated system: As soon as the baling chamber is filled or the preset bale diameter is reached, the system signals the operator to stop. The net is fed into the baling chamber and net wrapping starts. Then the tailgate opens and the bale is transferred via the conveyor to the wrapping table. As the front unit

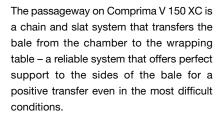
resumes baling, the rear unit starts wrapping and stops automatically when the preset number of wraps has been applied. Next time the combination stops, because the current baling cycle is completed, the wrapping table tips to the rear to drop the bale onto a rubber mat as described for Comprima CF 155 XC.



The Comprima CV 150 XC baler wrapper with variable bale chamber offers a wide range of applications that allow users to provide the service their customers ask for. They can bale and wrap silage bales of 1.00 m - 1.50 m (3'3" - 4'11") diameters, because baler and wrapper form a perfect match. The crop is chopped either by up to 17 or 26 knives, so that bales are easier to split and fork out when it comes to feeding. Moreover, CV 150 XC is able to accumulate the bales and discharge them in pairs to provide even greater flexibility in hay and straw.









Powerful drive: The chain and slat elevator is driven by two hydraulic motors that are mounted to either side of the elevator. Their combined drive power transfers even the heaviest bales reliably and consistently to the wrapping table – even on tougher ground conditions.



A sure touch: The chain and slat wrapping table cradles and rotates any bale. The guided chain/slat system prevents the bale from bouncing on the table to ensure smooth wrapping.



## The biggest bales – exclusively from KRONE Comprima CV 210 XC

- Variable chambers for variable 1.00 2.05 m (3'3" 6'9") bale diameters
- Variable film wrapper for variable 1.00 1.75 m (3'3" 5'9") bale diameters
- Film wrapper adjusts automatically to the current bale diameter
- Compact design
- Very fast bale transfer from the chamber as bale drops onto the table by gravity

Comprima CV 210 XC is an absolutely new design on the market. The variable baler wrapper from KRONE responds to demands for larger hay and straw bales

of up to 2.05 m (6'9") diameters and for silage and haylage bales of up to 1.75 m (5'9") diameters.

After all, the larger the bales the higher your workrates and the better the tractor's fuel economy. In addition, bigger bales reduce wrapping costs per tonne of crop

as well as time and cost spent on handling and transport.







Baling up to 1.75 m (5'9") diameter silage bales, Comprima CV 210 XC gives you all the flexibility you need. For high-quality forage, the NovoGrip system progressively increases the pressure inside the chamber as the bale diameter grows.

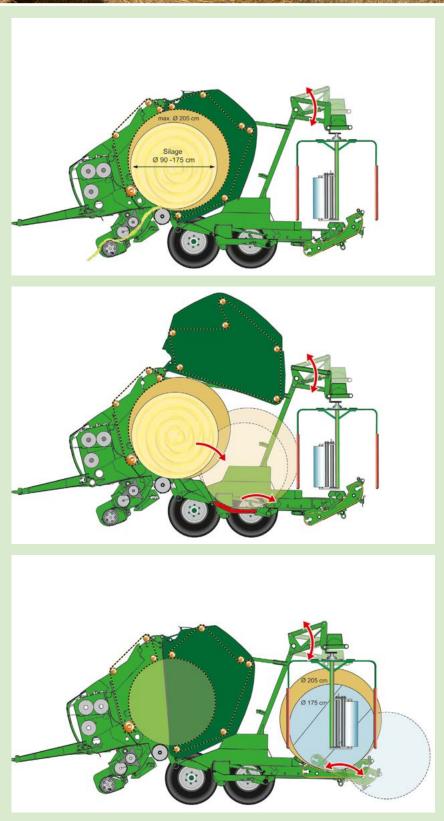
Handling the bale: the design and arrangement of the chamber and the wrapping table allow the bale to simply drop from the chamber onto the table. Should this be a problem in undulating terrain, the bale will get a lift from a lifting handle.

Clever stuff. To guarantee a perfect wrap, the film dispenser adapts hydraulically to the current bale diameter that was programmed to the terminal. It also clears the way to allow large hay and straw bales pass through for unloading without wrapping.



#### Perfect functionality and handling.

Comprima CV 210 XC is easy to operate. You simply enter the pressure, the diameter, the number of net wraps and the settings for the film wrapper. Once this is done, the baler wrapper will go about its business fully automatically. The chamber door opens just wide enough to eject the bales of any size, which drop on the turn table simply by their weight, which is fast and results in a compact overall design. A handle bar may give the bale 'a lift' as required on slopes after being triggered by a sensor. The award winning film wrapper on Comprima CV 210 XC wraps up to 1.75 m (5'9") diameter bales and adjusts automatically to the preset diameter. The two dispenser arms move into their top positions to clear the way so large and up to 2.05 m (6'9") straw and hay bales pass through without wrapping and for unloading in pairs. werden können.





## Double the output in half the time

- Positive bale rotation on chain/slat wrapping table
- Deep cradle gives optimum bale stability
- Clasping film tie system
- Controlled precision cut
- Automatic single arm wrapping at film end or break

Multiple functionality requires perfect synchronisation of all functions. This is exactly what KRONE baler wrapper combinations do. With both baler and wrapper coming from the same manufacturer, all functions are sequenced perfectly. The twin arm operates very fast to clear the wrapping table in time for the next bale from the bale chamber. As a result, you bale more

bales per hour. The dispensers hold 500 mm (1'8") and 750 mm (2'6") film rolls.



Two can work faster than one: The twin arm wraps twice as fast and halves the time that is required for wrapping, boosting the overall machine output. Arm position is recorded by position sensors and film break is detected by non-contact sensors.



Convenient handling: The dispensers give a 50% to 70% film stretch and are easily adjusted on the double spur gears. This standard feature helps save film and gives the flexibility to use different types of films.



Perfect in every detail: The hydraulic drives of the chain and slat elevator and the twin arm are sequenced to ensure perfect film overlapping. The dead stop handle instantly stops wrapping upon contact.



The wrapper works extremely reliably. After wrapping is completed, a pull down arm grips the film, pulls it down and ties it in position, gathering and pleating it in the process to ensure the thick film end is firmly clasped. The system guarantees wrapping is resumed trouble-free for a reliable machine performance.





As easy as it gets: The operator selects the number of wraps (2, 4, 6 or 8) from the cab-mounted control unit and operates a lever on the chain and slat elevator gearbox to set the wrapping table to 500 mm (1'8") or 750 mm (2'6") film.



Perfect cut: As the wrapping table is raised to tip off the bale, the film is automatically perforated by knives that are mounted on either side. As the bale rolls off the table, the film breaks along the perforated line.



Perfect support: The wrapping table on the Comprima baler wrapper forms a deep cradle that supports the faces of the bale as it is placed onto the table and wrapped – an ideal system for hillside operation.



The optional bale turner places the bale on its face. The faces of a bale are covered by an extra number of wraps to protect them from damage by stubble and birds. Bale collection, too, is easier when the bales are turned. Moreover, the bales are easier to pick up and handle and there is no need for a hydraulic pivoting grab. The bale turner easily folds away when the machine is operating in straw and hay where two bales are discharged at the same time.





Film roll storage: Located right next to the wrapping unit, two large storage compartments hold as many as ten film rolls (500 mm (1'8") and 750 mm (2'6")) to protect them from rain and dust. Comprima CV 210 XC offers capacity of 12 film rolls.



Convenient and easy: The film holders in the box pivot to offer convenient loading. Simply slide the roll onto the holder and fold the holder to vertical position.



Air-tight seal: The rubber mat protects the bale during unloading and swings up and out of the way in hay/straw operations and when travelling between fields.



KRONE Comprima baler wrappers offer operators very convenient operation. Choose between our 'Gamma' and 'ISOBUS' control option with or without CCI terminal. The CCI terminal serves as a master control unit for ISOBUS controlled machines by many different makes. All baling and wrapping functions are sequence controlled. At the same time, the system gives audible and visual alarms to update the operator on all operations. Naturally, he can intervene at any time and operate the machine manually from the box.



Gamma terminal



ISOBUS CCI 200 terminal



At the heart of the system is the job processor, which receives all sensor signals and passes them on to the control unit to update the operator. The job processor is actually the 'head' of the machine, which reduces the workload on the operator.



Neatly grouped and strong: The solenoid operated valve chest controls the entire film wrapping process to give the operator absolute peace of mind. The valves allow manual operation in the unlikely event that the electric system fails.



Just in case: The quick-stop switch and the dead stop handle on either twin arm instantly stop the current wrapping operation. These devices give maximum safety when working around the machine.



## On the road to success

- Standard tandem axles
   on Comprima baler wrappers
- Optional tandem axles on Comprima models without wrappers
- Outstanding operator comfort
- Quiet running
- Less compaction

Special conditions require the equipment to match. To cater for all requirements, KRONE offers for its Comprima baler wrappers a wide range of running gears. Choose from standard and tandem setups, braked and unbraked versions as well as air and hydraulic (export) brakes. Enjoy the peace of mind that comes from knowing that you are geared up for the job.





Drawbar attachment: Turn the drawbar to suit low-mount rear ends. We offer a range of hitch eyes to suit national requirements. These hitch eyes are available in various in diameter and as rotary versions.



Pin hitch attachment: Pin hitch attachment is preferred in many countries. The drawbar features a notch system that provides easy and dependable adjustment to any hitch height.



Stable stand: The sturdy stand adjusts to different heights thanks to a threaded head spindle, the bottom part of which telescopes to provide sufficient ground clearance when operating in big windrows.



Swift road transport takes higherquality and quiet running axles. The tandem axle offers superior comfort for swift travel on rough terrain and roads. At the same time, it spreads the load onto four wheels to eliminate scuffing and provide easier pulling. The air brake or hydraulic brake (export version) gives added safety during fast travel and in sloping fields.





Enhanced safety: An air brake system is standard specification on the models Comprima V 180 CX, CF 155 XC and CV 150 XC and an option on all other Comprima models. Export models can be specified with hydraulic brakes.



The standard axle with customized tyres: Depending on model and axle specification, all models are available with 15.0/55-17 10 PR to 500/55-20 12 PR tyres. Large flotation tyres reduce the risk of ground compaction and prevent rutting.



The KRONE high-clearance tandem axle provides optimum soil protection as well as quiet and safe running. Depending on model, the tandem axle is available with 15.0/55-17 10 PR to 500/55-20 12 PR sized tyres.





# Technical data

## **Round balers**

		Fixed chamber		Semi-variable fixed chamber	
Model		Comprima F 125	Comprima F 125 XC	Comprima F 155	Comprima F 155 XC
Bale diameter x width	approx. mm	1,250 x 1,200 (4'1" x 3'11")	1,250 x 1,200 (4'1" x 3'11")	1,250 - 1,500 x 1,200 (4'1" - 4'11" x 3'11")	1,250 - 1,500 x 1,200 (4'1" - 4'11" x 3'11")
Length	approx. mm	4,700 (15'5")	4,700 (15'5")	4,700 (15'5")	4,700 (15'5")
Width	approx. mm	2,610 (8'7")	2,610 (8'7")	2,610 (8'7")	2,610 (8'7")
Height	approx. mm	2,650 (8'8")	2,650 (8'8")	3,150 (10'4")	3,150 (10'4")
Cam trackless Pick-up working width (DIN 1120)	approx. mm	2,150 (7'1")	2,150 (7'1")	2,150 (7'1")	2,150 (7'1")
Rows of tines		5	5	5	5
Feeder rotor		Standard	_	Standard	-
Rotor cutter with 17 knives minimum knife spacing	approx. mm	<u>-</u>	Standard 64 (2.5")	- -	Standard 64 (2.5")
Rotor cutter with 26 knives minimum knife spacing	approx. mm		Option 42 (1.7")	_ _	Option 42 (1.7")
Tyre size on single axle		15.0/55-17 10 PR 500/50-17 10 PR -	15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR	15.0/55-17 10 PR 500/50-17 10 PR -	15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR
Tyre size on tandem axle		- - -	15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR	15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR	15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR
Power requirement	approx. kW/HP	48/65	48/65	51/70	51/70
Power supply		12 V	12 V	12 V	12 V
Hydr. couplers		2 x sa	2 x sa	2 x sa	2 x sa

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



## Variable chamber

Comprima V 150	Comprima V 150 XC	Comprima V 180	Comprima V 180 XC	Comprima V 210	Comprima V 210 XC
1.000 - 1.500 x 1.200 (3'3" - 4'11" x 3'11")	1.000 - 1.500 x 1.200 (3'3" - 4'11" x 3'11")	1.000 - 1.800 x 1.200 (3'3" - 5'11" x 3'11")	1.000 - 1.800 x 1.200 (3'3" - 5'11" x 3'11")	1.000 - 2.050 x 1.200 (3'3" - 6'9" x 3'11")	1.000 - 2.050 x 1.200 (3'3" - 6'9" x 3'11")
4.995 (16'5")	4.995 (16'5")	5.295 (17'5")	5.295 (17'5")	5.530 (18'2")	5.530 (18'2")
2.610 (8'7")	2.610 (8'7")	2.610 (8'7")	2.610 (8'7")	2.610 (8'7")	2.610 (8'7")
2.990 (9'10")	3.150 (10'4")	3.150 (10'4")	3.150 (10'4")	3.150 (10'4")	3.150 (10'4")
2.150 (7'1")	2.150 (7'1")	2.150 (7'1")	2.150 (7'1")	2.150 (7'1")	2.150 (7'1")
5	5	5	5	5	5
Standard	-	Standard	_	Standard	-
-	Standard 64 (2.5")	_	Standard 64 (2.5")		Standard 64 (2.5")
-	Option 42 (1.7")	<b>-</b>   <b>-</b>	Option 42 (1.7")	  -  -	Option 42 (1.7")
15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR					
15.0/55-17 10 PR 500/50-17 10 PR 500/55-20 12 PR					
51/70	51/70	59/80	59/80	66/90	66/90
12 V					
2 x sa with free return line					



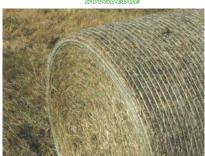


### **KRONE** excellent net wrap

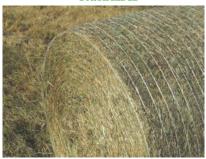
excellent Edge, RoundEdge and StrongEdge nets stand out for high quality and their ability to adapt to the current crop conditions. The KRONE net wraps were specifically developed for KRONE round balers. So, using these on your KRONE machine will deliver the best results you can possibly get from your machine.



# WKRONE excellent



(Y) KRONE excellent



excellent Edge is KRONE's universal net wrap system. This net spreads exactly from edge to edge and is the best option in any crop and on every round baler.

excellent RoundEdge offers excellent edge to edge spreading technology and therefore generous coverage beyond the edges, protecting the bales from ingress of moisture and loss due to excellent StrongEdge offers an enormous resistance to tearing, larger meshes and a very high resistance to UV rays. These attributes make it particularly suitable for use in rough crops.

## **KRONE** excellent film wrap

The KRONE excellent Slide film wrap system comprises three high-quality films for best results in silage and highest-quality fodder in any condition.





A product for serious farming. KRONE is one of the very few manufacturers who offer 500 mm (1'8") wide film. The standard width offered by competitors is usually 750 mm (2'5.5"). Smaller film widths offer savings when baling small-diameter bales.







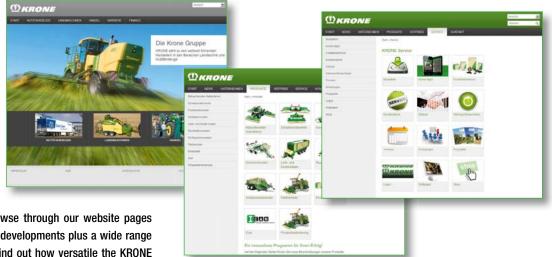
# Technical data

## **Baler wrapper combinations**

Model		Comprima CF 155 XC	Comprima CV 150 XC	Comprima CV 210 XC
Bale diameter x width	approx. mm	1.250 - 1.500 x 1.200 (4'1" - 4'11" x 3'11")	1.000 - 1.500 x 1.200 (3'3" - 4'11" x 3'11")	1.000 - 2.050 x 1.200 (1.000 - 1.750 x 1.200) (3'3" - 6'9" x 3'11") ((3'3" - 5'9" x 3'11"))
Length	approx. mm	6.578 (21'7")	7.239 (23'9")	7.560 (24'10")
Width	approx. mm	2.960 (9'8.5")	2.960 (9'8.5")	2.960 (9'8.5")
Height	approx. mm	3.410 (11'2")	3.080 (10'1")	3.630 (11'11")
Cam trackless Pick-up working width (DIN 1120)	approx. mm	2.150 (7'1")	2.150 (7'1")	2.150 (7'1")
Rows of tines		5	5	5
Feeder rotor		_	_	_
Rotor cutter with 17 knives minimum knife spacing	approx. mm	Standard 64 (2.5")	Standard 64 (2.5")	Standard 64 (2.5")
Rotor cutter with 26 knives minimum knife spacing	approx. mm	Option 42 (1.7")	Option 42 (1.7")	Option 42 (1.7")
Tyre size on tandem axle		500/50-17 10 PR 500/55-20 12 PR	500/50-17 10 PR 500/55-20 12 PR	500/55-20 12 PR 620/40-R 22.5 148 D
Power requirement	approx. kW/HP	74/100	74/100	81/110
Power supply		12 V	12 V	12 V
Hydr. couplers		1 x sa	1 x sa	1 x sa

<sup>( ) =</sup> film wrapped bales

# **MKRONE**Internet



Discover the world at KRONE and browse through our website pages to find facts and figures and also new developments plus a wide range of services. Explore our website and find out how versatile the KRONE world is.



#### News

Click here to find up-to-the minute information about KRONE – from new product presentations to show reviews. Here you are at the pulse of KRONE life.



#### **Products**

Find extensive information on our full product range. This section holds everything you need – from video clips to manuals.



#### Sales organisation

Here you find a distributor in Japan as well as your local KRONE dealer who will be pleased to support you. This is where you find your KRONE partner who will be pleased to assist you.



#### Jobs

Would you like to join our company? KRONE is often looking for diligent and motivated staff to work at our farm machinery factory as well as at our commercial trailer production plant. So, this section is always worth a visit.



#### Media center

The KRONE 'database' holds thousands of documents, pictures, test reports and much more. Here you find very detailed information on KRONE products that are of special interest to you.



#### **Events**

Are you in for a KRONE live experience? Check out for KRONE events and look at a machine on show or watch it during a demonstration. After all, there is little that is more effective than a hands-on experience.





#### Service

Here you find all the service information you require – from a point of contact at the factory to finance schemes for your KRONE machine as well as training schemes for staff and users.



#### **Download Center**

Are you looking for a KRONE calendar for your desktop or a smart picture for your presentation? Here, at the KRONE download center, you will find plenty of useful material for a wide range of projects.



#### **Used Machinery**

KRONE often has a wide range of demonstration or exhibit machinery on offer. This is a good site to find your KRONE machine. Then contact your local KRONE dealer to arrange the details of a potential purchase.



#### **Parts**

24/7... This service gives you the opportunity to find your KRONE part at any time and without waiting. The KRONE Agroparts Portal has an article number and exact description for every part. You can order the part instantly at your local KRONE dealer by sending an e-mail to Agroparts.



#### **KRONE** shop

Are you looking for a gift or are you a collector of farm models? Then you should definitely shop around at our KRONE shop. We take your orders at any time of the day.

#### **Maschinenfabrik Bernard KRONE GmbH**

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