



KRONE excellent Crop packaging





Original KRONE excellent Crop packaging

- Best raw materials/technology
- Continuous further development
- Long useful life, high reliability
- Customised for your KRONE machine
- Smooth processes and fault-free operation
- Perfect bales = perfect harvest results





KRONE excellent crop packaging:
Rely on the genuine product!

There are a number of reasons for selecting the original crop packaging of the relevant machine manufacturer: KRONE excellent stands for the well-known KRONE quality.

This not only reduces the costs per bales substantially but also allows you to benefit from the excellent KRONE service.

Our bale wraps protect your valuable crop and lead to higher-quality forage and optimum results.

KRONE excellent crop packaging pays dividends.

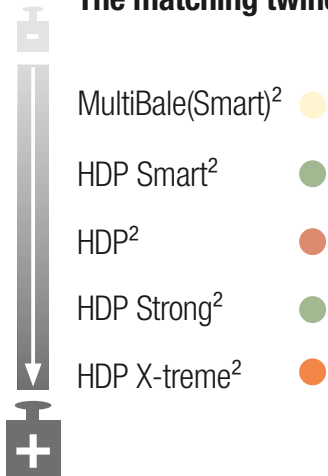
Twine	4
Net wrap	14
Silage film	20



KRONE excellent twine

- This twine has been tailored to optimally match the technical requirements of the KRONE BiG Pack baler and the system
- Greatest knot strength, superior to regular twines of an average 220 kgf tear resistance
- Great tear resistance. excellent Twine has plenty of strength in reserve to combat extreme situations
- Optimum fibrilling ensures effective knotting

The matching twines for each bale density



KRONE excellent MultiBale² and MultiBale Smart²

KRONE excellent MultiBale² and MultiBale Smart² twines have been tried and proven in harvesting applications at normal baling pressure.

The KRONE MultiBale twine minimizes wear on the knoter and the twine feeding system.

KRONE excellent HDP Smart²

KRONE excellent HDP Smart² is in the classification between the MultiBale², which is recommended for easy use, and the very powerful HDP² and HDP Strong² twines for very high bale densities. Compared to the MultiBale², the knot tightness is increased so that the HDP Smart² can also be used under difficult harvesting conditions and comparatively higher bale densities. HDP Smart² was developed to meet the requirements of KRONE BiG Pack standard machines.



KRONE excellent HDP² | HDP Strong²

Using HDP² or HDP Strong² twine is recommended for very high bale densities and in regions with difficult harvesting conditions. Compared to standard twines, the twine thickness has again been increased and features a higher knot tightness, despite a reduced twine thickness. Consequently, high requirements are satisfied at the usual KRONE quality. HDP Strong² was developed especially for the KRONE HDP big pack presses with high baling pressure, such as BiG Pack 1290 HDP and 1290 HDP II.

KRONE excellent HDP X-treme²

This twine is the power package in the KRONE twine family. Due to its enormous tensile strength and knot tightness, HDP X-treme² is the right twine for extreme conditions and highest bale densities. Withstanding the harshest harvest conditions such as exposure to high UV radiation, HDP X-treme² keeps even the heaviest bales in firm shape. With this professional twine, we succeeded in achieving a run length of more than 103 m/kg. HDP X-treme² is the specialist for the BiG Pack 1290 HDP.



New and unique: KRONE 15 kg twine

- Higher run length at constant knot tightness
- Fewer twine changes – more bales per day
- Gain in comfort and time
- More savings, higher productivity

New in the KRONE twine program: KRONE is the only manufacturer to offer 15 kg spools of twine in addition to the well-proven 11 kg spools of twine. This has a distinct advantage, meaning fewer twine changes for the driver - more bales per day - and in addition absolute time savings and increased comfort.



HDP Strong² 11 kg

The 11 kg spools of twine are suitable for the BiG Pack series up to 2020 **and** for the new series (305 and 405).



HDP Strong² 15 kg

The new 15 kg spools of twine are exclusively suitable **only** for BiG Packs of the new 305 and 405 series.



**The new
generation**





Which twine for which BiG Pack?

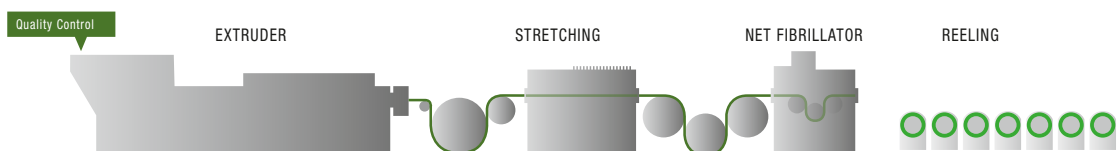
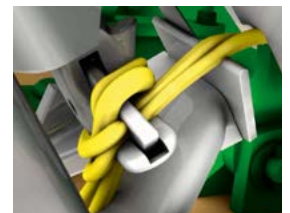


			MultiBale (Smart) ²	HDP (Smart) ²	HDP Strong ²	HDP X-treme ²
		Number Knotters	Regular bale density	High bale density	Very high bale density	Extremely high bale density
BiG Pack 870 HDP 80 x 70 cm		5	✓✓✓	✓✓✓	✓✓	
BiG Pack 890 80 x 90 cm		4	✓✓✓	✓✓✓	✓✓	✓
BiG Pack 1270 120 x 70 cm		6	✓✓✓	✓✓✓	✓✓	✓
BiG Pack 1290 120 x 90 cm		6	✓✓✓	✓✓✓	✓✓	✓
BiG Pack 1290 HDP 120 x 90 cm		6	✓✓	✓✓	✓✓✓	✓✓✓
BiG Pack 1290 HDP II 120 x 90 cm		8	✓✓	✓✓	✓✓✓	
BiG Pack 4x4 120 x 130 cm		6	✓✓	✓✓	✓✓✓	✓✓✓



Manufacturing KRONE excellent twines

- KRONE twines are food grade and environmentally friendly.
- A special stabilizing process makes the twine very resistant to UV and weather exposure
- Our twines are perfectly wound for smooth running in the machine
- Optimum fibrillation ensures sturdy twine and effective knotting





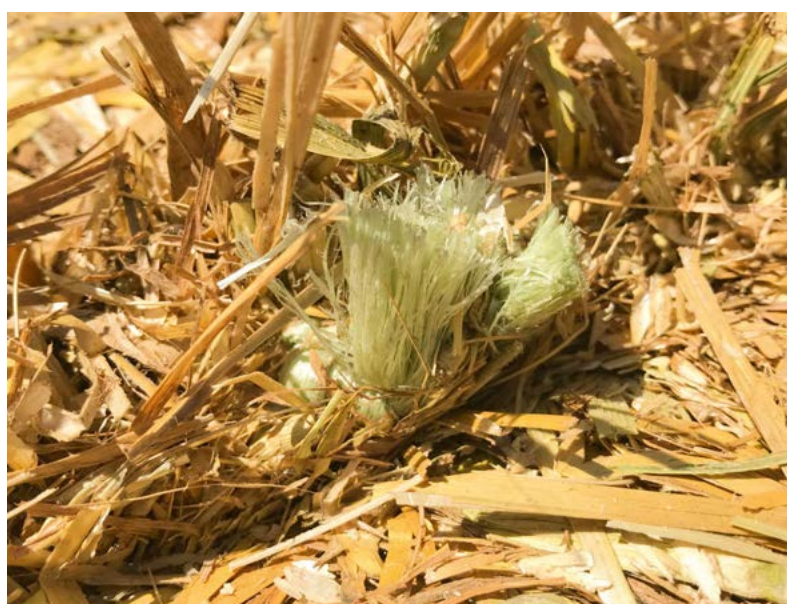


Technical data

- KRONE quality claim
- Recommended for the KRONE BiG Pack
- The matching twines for each bale density
- Perfect harvest result



		KRONE excellent twines 11 kg			
		MultiBale Smart ²	MultiBale ²	HDP Smart ²	HDP ²
Double pack	order no.	27 023 342 0	923 944 0	27 023 343 0	27 027 155 0
Colour					
Max. knot strength	(kgf)	245	245	280	320
Weight	kg/roll	11	11	11	11
Run length	m/roll	1,342	1,430	1,287	1,155
Roll length	m/kg	122	130	117	105
UV-stability		high	high	high	high
Suitability		Normal bale densities		High bale densities and difficult harvesting conditions	Very high bale densities



- Perfect fibrillation of the Twine² generation
- Excellent knot tightness (no knot opening)
- Approx. 20% fewer twine changes – more bales per day

- Excellent knotting results under extremely difficult conditions



NEW

KRONE excellent twines 15 kg

	HDP Strong ²	HDP X-treme ²	MultiBale ² 15 kg	HDP Strong ² 15 kg	HDP X-treme ² 15 kg
	27 023 217 0	27 023 218 0	27 025 897 0	27 025 895 0	27 025 896 0
	315	335	245	315	335
	11	11	15	15	15
	1,188	1,122	1,950	1,620	1,530
	108	102	130	108	102
	high	high	high	high	high
High densities and difficult harvesting conditions	Extreme bale densities and very difficult harvesting conditions		Normal bale densities	Very high bale densities and difficult harvesting conditions	Extreme bale densities and very difficult harvesting conditions



▪ Withstands maximum pressure

▪ The result: A twine that holds tight and produces premium-quality bales



Additional twines



KRONE excellent Square Baler Twine

For foreign markets as well as for smaller companies, KRONE offers the Square Baler Twine for small high-pressure balers by other manufacturers. Thus the excellent twine range offers suitable twine for all customer groups from a single source.



KRONE excellent Round Baler Twine

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



		Additional twines	
		Square Baler Twine	Round Baler Twine
Double pack	order no.	929 961 1	929 951 0
Colour			
Max. knot strength	(kgf)	80	52
Max. tear resistance	(kgf)	110	110
Weight	kg/roll	5	5
Run length	m/roll	1,600	4,000
Roll length	m/kg	320	880
UV-stability		high	high
Suitability		Twine for small high-pressure balers	Twine for round balers



 **KRONE** excellent

Twines

...that hold!

...excellent twines live up to their promise. Offering unique tear resistance and knot strength, these twines produce highest-quality bales no matter what the conditions. KRONE excellent twines are the best choice for extremely high-density bales as well – knot by knot!





KRONE excellent net wrap

- High tear resistance and KRONE anti-laddering warranty
- Edge-to-edge-cover technology for superior coverage
- Excellent unrolling and guaranteed length
- Easy insertion thanks to left/right marking
- End marking over the last 70 metres
- Optimum locking of the net ends
- Great UV and weather stability
- Superior reliability and easy use
- Developed for KRONE round balers, hence tailored to KRONE systems



KRONE excellent Edge X-tra

KRONE excellent Edge X-tra combines the qualities of our well-proven Edge and RoundEdge nets into one high-quality and universal KRONE net. Edge X-tra spreads exactly from edge to edge and is the best option in any crop and for every round baler. Its perfect edge to edge spreading technology protects your valuable crop and achieves optimum results.



KRONE excellent StrongEdge

This is the extra strong net among the KRONE net wrap products. Knurling two threads into one warp thread, this net offers an enormous resistance to tearing, has larger meshes and excellent UV-stability – properties that make it particularly suitable for use in hot and sunny regions and coarse material.



KRONE excellent SmartEdge

A 'smart' but less high-end version of excellent Edge X-tra net wrap is also available – the KRONE excellent SmartEdge is an excellent option for customers who look for a less sophisticated and yet reliable product. Priced more economically and yet meeting higher than basic standards, this net wrap offers good value for a reasonable price and delivers top results in any conditions.

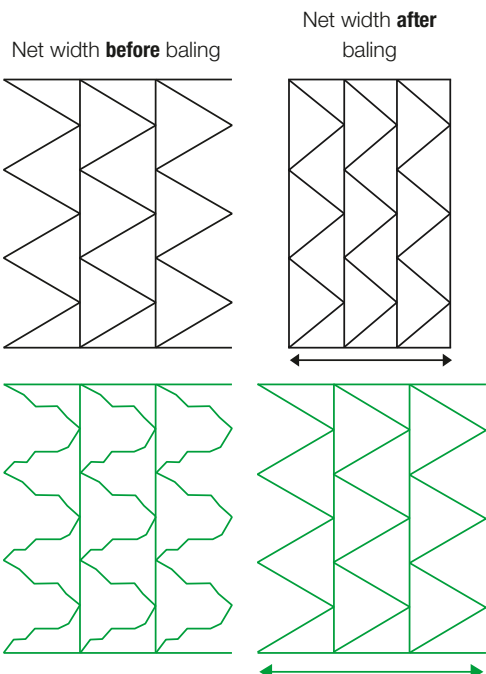


KRONE Edge to Edge technology*:

Optimum bale coverage edge to edge. Without exception, all KRONE excellent net wraps use weft threads that benefit from plenty of reserve length. All excellent Edge X-tra and StrongEdge net wraps provide excellent spread from edge to edge.

The result: perfectly shaped round bales.

* European patent no. 0919655 - US patent no. 6521551



Standard net, weft threads **without** reserve length

KRONE excellent net, weft threads **with** reserve length

Net width before and after baling:

Standard net:

Under the vertical tension of the net generated during baling, weft threads without reserve length constrict the net, making it smaller. The pressure in the bale then presses out the crops at the edges.

KRONE excellent net wrap:

The weft threads of the KRONE excellent nets have sufficient reserve length. Thus, the net width is fully available also when the net is under tension.





Danger: Shoulders when using standard nets

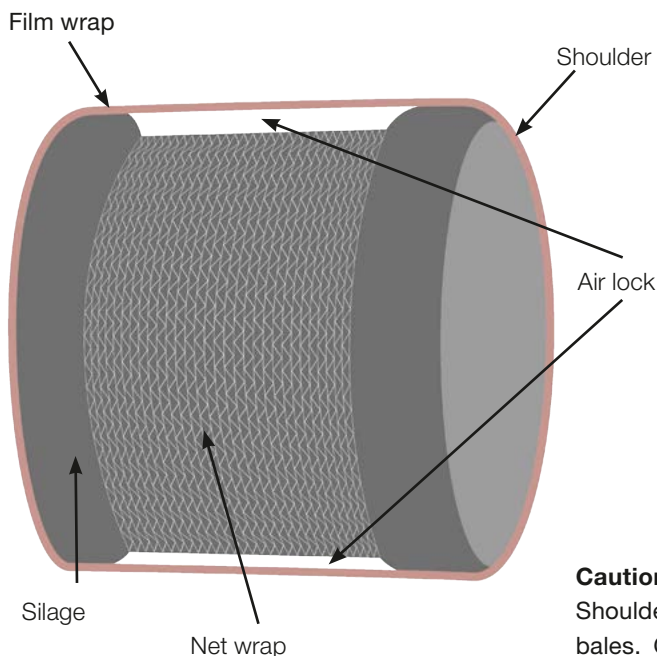
- Characteristic feature of nets with inferior edge to edge spreading technology – impairs the crop quality
- The edges are exposed to weathering and moisture can get into the bale
- The bale is not kept in shape, resulting in high losses
- Round bales with pronounced shoulders will not stack up neatly
- When baling silage, air may be trapped under the film wrap, leading to spoilage
- Shoulders probably deteriorate the crop quality



Dangerous shoulders

'Shoulders' on the bale's edges are a clear sign of a net wrap's poor edge to edge spreading ability. Shoulders are inevitable when using standard net wrap, even though the baler is set to optimum performance. At the heart of the problem are the weft threads inside the nets which often lack the required reserve length.

Due to lower expenditure in manufacturing, standard nets can be offered at a cheaper sales prices but be careful: Shoulders probably deteriorate the crop quality. Furthermore, contractors who uses standard nets risk their reputation!



Caution:

Shoulders are often a major cause for spoilage in silage bales. Given the uneven surface, the film cannot cling evenly to the bale, giving ample opportunity for air to be trapped between the bale and the film. Apart from that,

the film is more prone to damage and puncture due to the shoulders. **Thus, KRONE excellent net wraps are always profitable and perfectly economical. Be sure to opt for the original KRONE net wrap and achieve perfect harvesting results.**

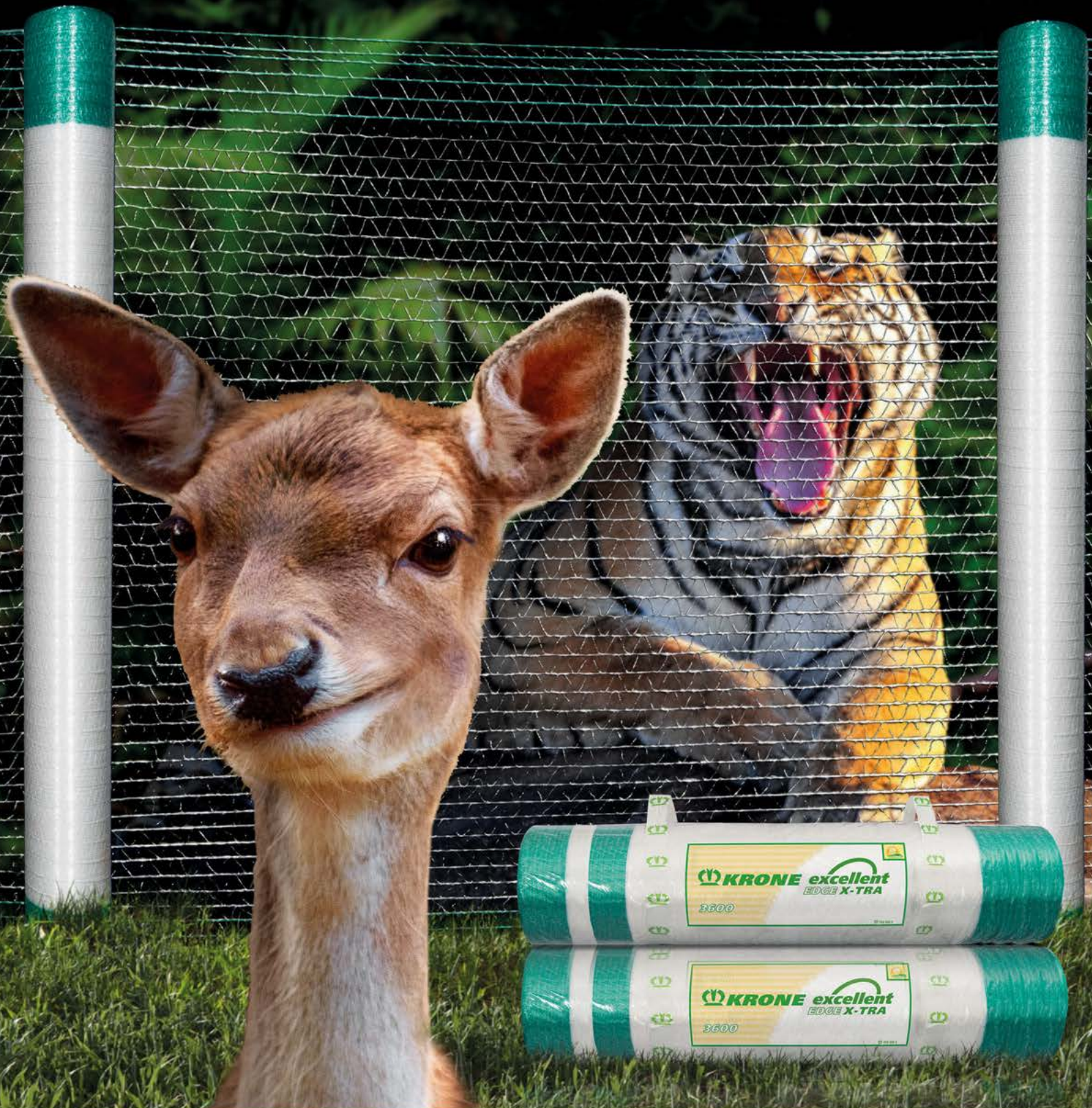
It is true for every machine manufacturer: Rely on the genuine product – it will pay.

 **KRONE** *excellent*

Net wraps

...that hold!

...excellent net wraps live up to their promise. Offering an enormous tear resistance and unique edge-to-edge spreading technology, these nets give the most effective protection from the vagaries of weather – from edge to edge.





Technical data

- KRONE quality claim
- Specifically developed for KRONE round balers
- Optimum and sustainable crop protection
- Perfect harvest result



		Edge X-tra	
Order no.		926 180 0	929 926 0
Length	m	2,600	3,600
Width	mm	1,245	1,245
Number of linear wrap threads		50	50
Min. resistance to tearing	kg	290	290





The KRONE excellent net wraps

	StrongEdge		SmartEdge
927 922 0		927 924 0	924 988 0
2,600		3,600	3,000
1,245		1,245	1,245
50*		50*	50
305		305	275

* knurled into 25 warp threads





KRONE excellent silage films



- Blown 5-layer film provides maximum mechanical strength
- Exceptional wrapping qualities, extremely tear and puncture resistant
- Guaranteed and hassle-free pre-stretch of up to 70% for more bales from each roll
- Excellent tack characteristics in all temperatures
- High UV-stability, effective protection from sun even during full exposure
- Guaranteed protection from weathering for at least one year, no loss in nutrition quality due to outdoor storage
- Superior reliability and easy use
- Developed for KRONE combination baler and wrappers, hence tailored to KRONE systems



KRONE excellent Slide 500 and 750

One program for all harvesting scenarios: In addition to the customary film width of 750 mm, KRONE now also offer a 500 mm wide silage film. With a running length of 1,800 mm, KRONE excellent Slide 500 is approximately 17% longer than the 750 mm silage film. This means a clear commercial advantage for small bale diameters.



KRONE excellent Slide Extra

Manufactured to a specific technology, KRONE excellent Slide Extra offers a particularly high oxygen barrier and a thickness of 20 µm. The big advantage is the length of the material: Each roll is 1,950 m long. This means that the roll is 450 m longer than the KRONE excellent Slide with a width of 750 mm. This means: more bales per roll. Slide Extra is the best combination for round bales with previous film wrapping.



KRONE excellent Slide Smart

KRONE has also responded to the latest requirements in the silage film market and is now offering the 5-layer KRONE excellent Slide Smart film. designed to meet, if possible, all customer requirements in the standard segment on the global markets.



KRONE excellent RoundWrap

Round bales with film wrapping: KRONE excellent RoundWrap is a new product in KRONE film line. With a width of 1,280 mm, the bale is completely covered and thus perfectly suited for the film wrapping of the KRONE round baler. The excellent adhesive properties of the 5-layer peripheral film keeps the bale firmly in shape.

 **KRONE** *excellent*

Silage films

...that hold!

...excellent silage films from KRONE live up to their promise. Benefitting from an extremely high mechanical strength, they offer great puncture and strain resistance as a warranty for an optimum silage and a perfect forage – bale by bale!









Technical data

- KRONE quality claim
- Enormous resistance to tearing and puncture
- Guaranteed stretch of up to 70 % without problem
- Excellent wrapping properties


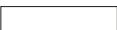
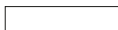
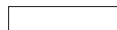


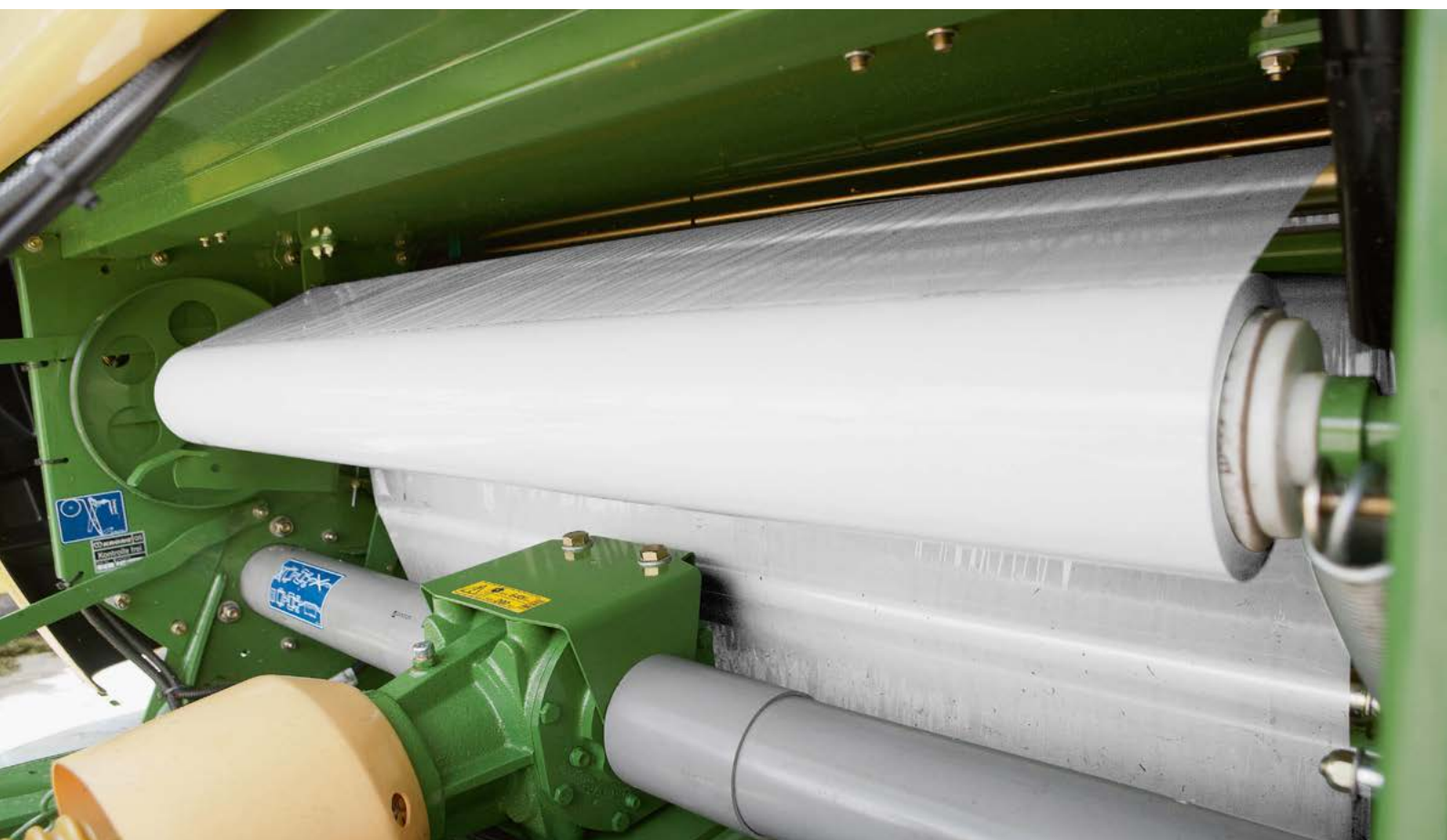
KRONE excellent wrapping film

		KRONER excellent wrapping film			
		Slide 500	Slide 750		Slide Extra
Order no.		926 925 0	926 929 0	926 926 0	926 960 0
Version		X-treme UV	Standard	X-treme UV	X-treme UV
Width	mm	500	750	750	750
Length	m	1,800	1,500	1,500	1,950
Thickness	µm	25	25	25	20
Colour					
Layers		5	5	5	5
Core		Cardboard core	Cardboard core	Cardboard core	Cardboard core
Rolls per pallet		48	40	40	40



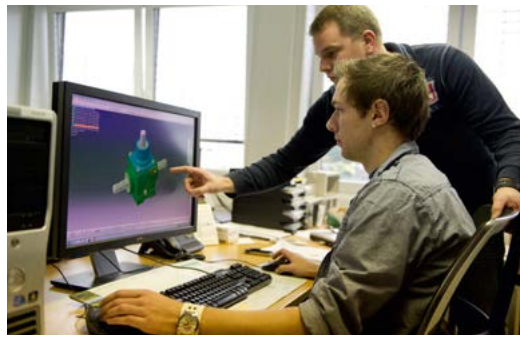


		KRONE excellent peripheral film	
Slide Smart		RoundWrap	
27 023 344 0	27 023 345 0	926 947 0	926 946 1
X-treme UV	X-treme UV	No UV protection	UV protection
750	750	1,280	1,280
1,500	1,500	2,000	1,650
25	25	16	20
			
5	5	5	5
Plastic core	Plastic core	Cardboard core	Cardboard core
40	40	20	16



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



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