

MARKANT
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CLAAS

Small in stature,
powerful in the field.



MARKANT – the perfect baler for manageable bales.

Economical.

Today, a number of approaches are taken when it comes to straw and hay harvesting. On large farms, there is still a trend towards round bales or large square bales. In contrast – owing to the ease of handling by individual farm workers – a smaller bale size remains the preferred choice on smaller farms employing traditional farming methods.

Classic.

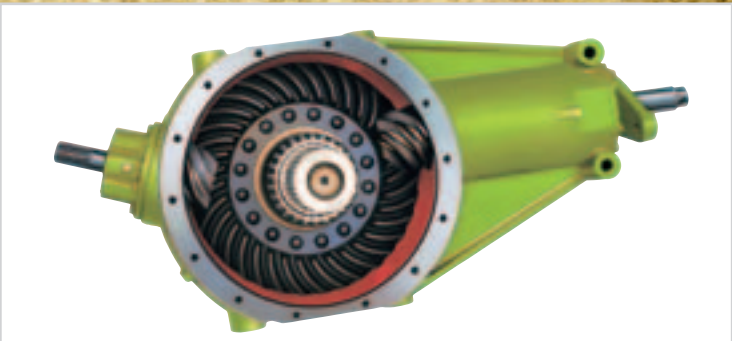
The MARKANT is a truly classic baler. The drive mechanisms are articulated and highly resilient. The pick-up assembly collects the crop from the field with razor-sharp precision, and the robust dual-arm crank feeder channels the crop to the bale chamber efficiently.

The tried-and-tested CLAAS knotters tie perfect knots so that the bales stay in shape.

Reliable.

The MARKANT produces highly compressed, firm and perfectly shaped bales for ease of transportation and storage. The machine's high standards of efficiency and reliability over many years of harvesting, even under the most strenuous of conditions, are further selling points.





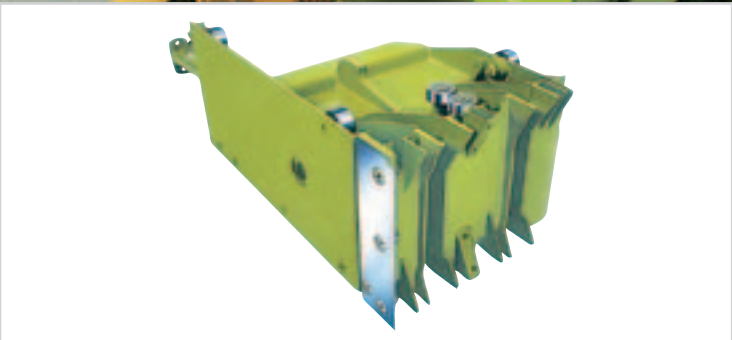
Powerful transmission.

The MARKANT's main transmission features a hypoid gear assembly. The crown wheel and bevel wheel engage spirally, which enables a greater number of teeth to engage at any one time than in straight-cut bevel gears, boosting the overall reliability of power transmission.



A large flywheel designed to cushion the strokes of the baling ram for smooth mechanical operation is positioned immediately in front of the transmission assembly. The slip clutch in the flywheel protects the MARKANT's drive and packing system from overloading.

The freewheel capacity in the drive shaft prevents damage to the tractor's transmission resulting from deactivation of the PTO. The MARKANT comes to rest entirely independently.



Powerful baling ram.

The MARKANT's sturdy and powerful baling ram operates on maintenance-free, ball bearing-mounted rollers. The scrapers positioned directly in front of the rollers ensure a clean crop feed for smooth operation.

When the machine is powered down, the drive shaft rests on an angled support to ensure that a clean chock profile is maintained and that the potential for hitching problems is eliminated.



Reliability
Drives



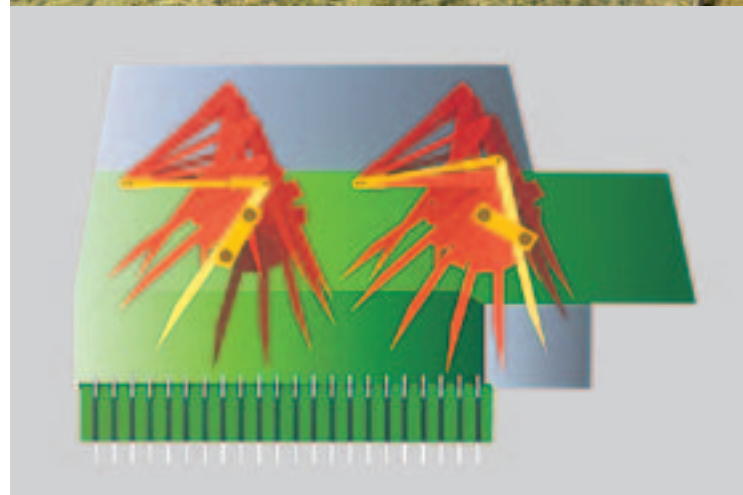
Clean crop intake through the pick-up.

Closely spaced dual-spring tines with angled points and an ideal pick-up diameter ensure the harvested crop enters the machine cleanly and efficiently. Long-stalked crops and short fluffy materials alike are harvested with razor-sharp precision. A crop guard fitted above the pick-up ensures the crop is channelled to the feeders rapidly for a smooth crop flow to the bale chamber. Spring suspension enables the machine to hover gently over the ground. An integrated shock absorber prevents bouncing at higher speeds.



Powerful feeders.

The harvested crop is collected from the pick-up assembly and transported efficiently and powerfully deep into the bale chamber by the two feeders attached to two crankshafts. This configuration ensures a high output and delivers uniform, highly compact and sharp-edged bales. Integrated shock absorbers cushion load peaks.



A shear bolt secures each individual feeder tine to ensure the continuous efficiency of the feed rake.



The pick-up can also be fitted with a height-adjustable stabiliser wheel for exact ground contour following.



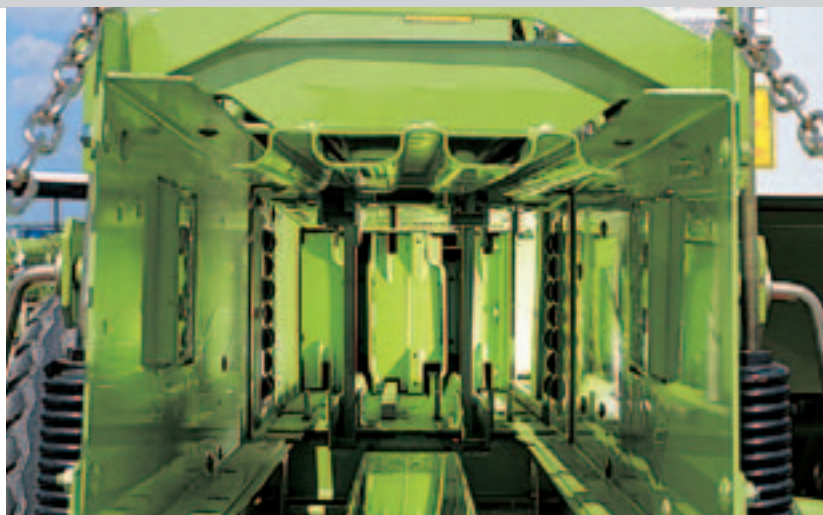
Performance with passion.

Dense, perfectly shaped bales.

The long bale chamber produces uniform, highly compact, sharp-edged bales. The binding twine is run through deep grooves indented in the bales by angular rails to prevent sideways slippage and maintain the structure and composition of bales when handled roughly by the bale ejector or other conveying equipment.

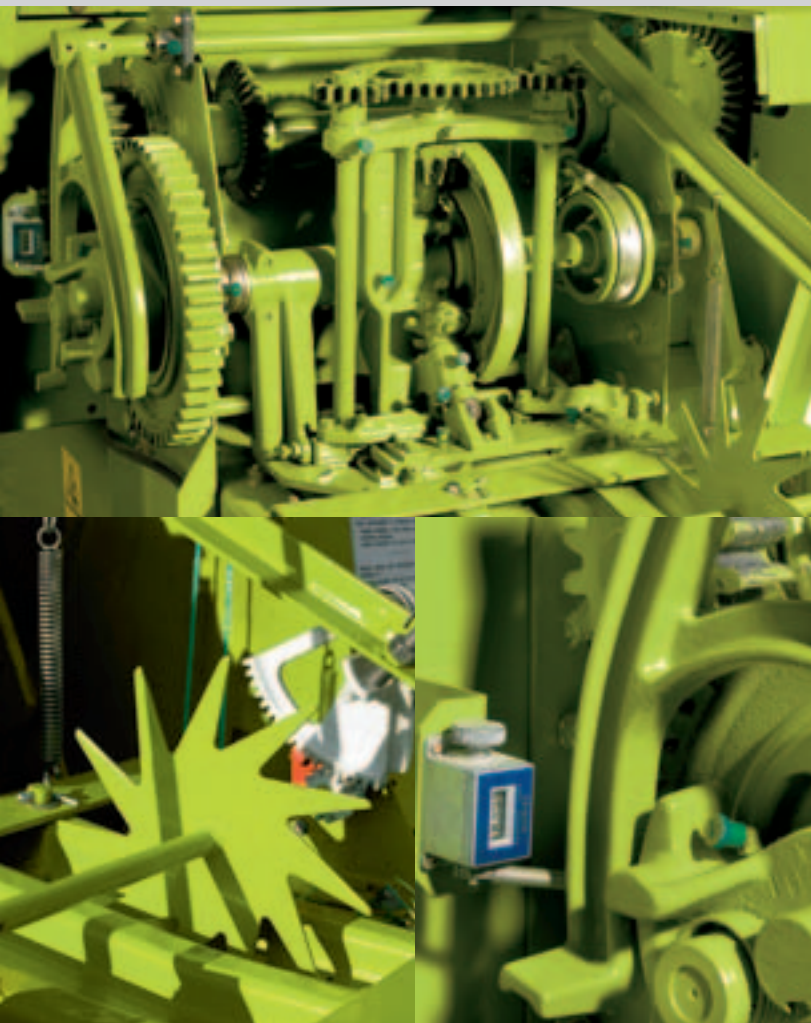
The bale length is fully adjustable within a generous range of 0.40 to 1.10 metres.

The bale composition and density can be adjusted as required via the two crank handles at the end of the bale chamber.



Pick-up
Feed rake
Baling chamber

Outstanding bale quality.



Secure knots.

MARKANT balers are equipped with tried-and-tested CLAAS knotters. CLAAS knotters are world-renowned for producing unshakable knots at peak bale densities in all conceivable harvesting conditions. The knotter hook holds the knot strap steady throughout the entire binding process, irrespective of bale pressure or twine strength. The knotter's configuration thus need not be modified in the event that the bale pressure or the binding twine used (sisal, synthetic) is modified. The MARKANT processes sisal twine from 150 to 200 m/kg, and synthetic twines with running lengths from 300 to 400 m/kg.

CLAAS also provides a special version of the MARKANT equipped with customised knotters for processing baling wire. Baling wire ensures bindings remain durable when bales are transported over long distances or are held in storage over long periods, and is resistant to UV light and animal depredation.

The integrated bale counter enables the operator to review the number of bales produced at any time.





Inclined stationary knife for fuel-saving, oblique shearing

2 dual crank feeders

Internal feeder with shock absorber for vibration equalisation

All-twine knotter for secure bindings
Individual tines secured via shear bolts

Thin sheet metal parts manufactured from corrosion-resistant, galvanised base material
Adjustment of feeder approach angle to crop

Optional pick-up stabiliser wheel

Closely spaced, angled pick-up tines for a clean pick-up in leaning crops

Pick-up height adjustment via control cable from the tractor cab (hydraulic optional)

Shaft drive for feeders, knotters and needle

Robust, heavy-duty, roller-mounted ram for high bale density

Wear-resistant transmission with hypoid gear assembly

Gentle, shock-free operation, thanks to transverse-mounted flywheel

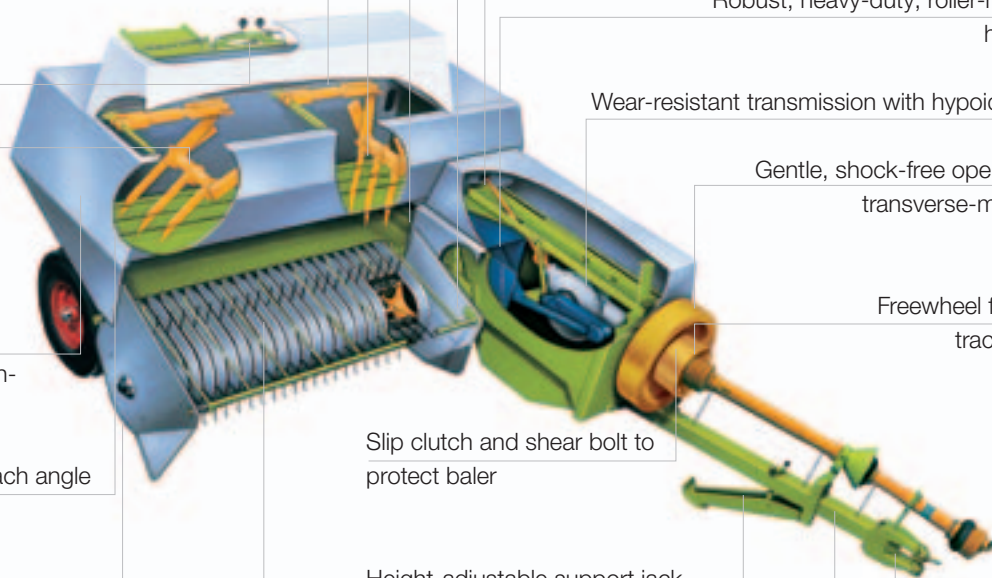
Freewheel facility to protect tractor transmission

Slip clutch and shear bolt to protect baler

Height-adjustable support jack

Extended drawbar with dual drive shaft

Configurable drawbar



CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator's manual.

Wrapping and tying

MARKANT

		65	55
Pick-up width	m	1.85	1.65
Feeder assembly: crank feeder conveyor	Internal	3 tines	3 tines
	External	3 tines	2 tines
Number of ram strokes per minute		93	93
Chamber dimensions (width x height)	mm	460 x 360	460 x 360
Bale length	m	0.40 – 1.10	0.40 – 1.10
Recommended power requirement	kW (hp)	44 (60)	33 (45)
Knotter machines	Qty.	2	2
Rolls per twine box	Qty.	8	6
Standard tyres	Left	11.5/80-15.3 6PR	11.5/80-15.3 6PR
	Right	10.0/80-12 4PR	10.0/80-12 4PR
Feed rake cover		●	–

Dimensions (without chute)

Length	mm	5600	5450
Width	mm	2720	2540
Height	mm	1450	1410
Track width	mm	2400	2190

Weight

Weight	kg, approx.	1480	1260
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Options

Hydraulically swivelling drawbar (+ 1 x double-acting)	○	○
Hydraulic pick-up lift (+ 1 x single-acting)	○	○
Support wheel for pick-up	○	○

● Standard ○ Optional – Unavailable



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