

Orkel round balers



 **Orkel**
clever technology

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Orkel round balers are developed and manufactured in Norway. The balers are constructed for the roughest and most demanding baling conditions. A number of baler properties provide important advantages. More forage – in less bales, increases forage quality and reduces wrapping cost. Bushings on rollers have a 5 year warranty, please continue reading....



Orkel GP 1260 Agronic



Orkel GP 1260



Orkel hiQ

Bushings on rollers

Compared to traditional bearings, bushings provide improved durability, easier maintenance and lower cost. Bushings function well under conditions of vibration, high pressures and pollution.

**Guarantee on bushings,
50.000 bales, up to 5 years.**



Automatic greasing of bearings and chains – standard.

A 12 volt electrical greasing pump is greasing the bushings. Chains are automatically greased by oil from a separate pump each time the chamber is opened.



Efficient pick-up and chopping device.

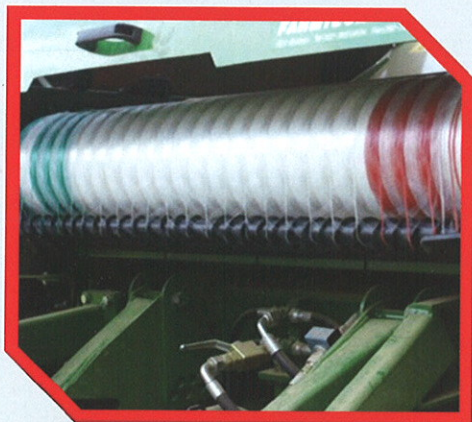
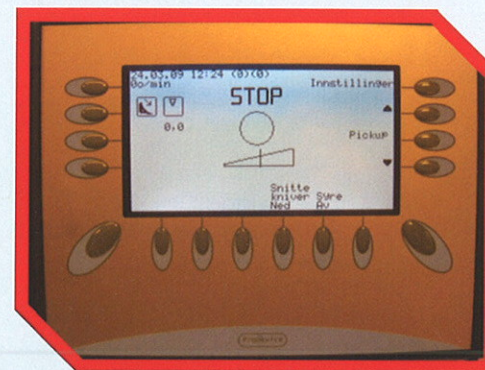
The 20 pre-chopping knives are made of Crom-vanadium steel, while the intake rotor tines are constructed from 10 mm heavy duty 'Hardox' wearing metal. Knives are spring tensioned and lower automatically in case of overload. The large diameter pick-up has 5 tines bars, to optimize capacity. The pick-up cam track is greasable. Compacting roller and



slip-clutch on the pick-up drive are standard.

CANBUS electronics

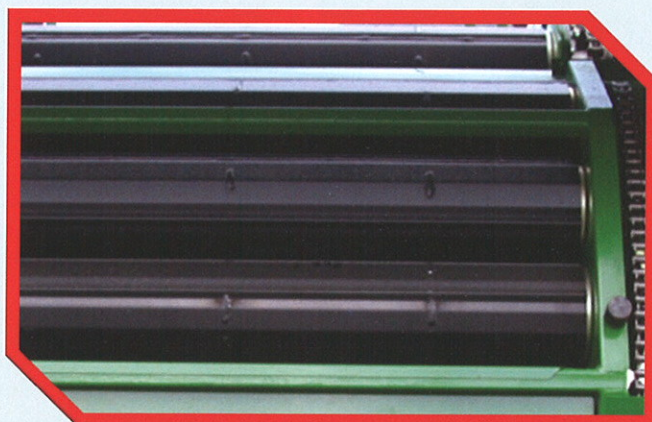
This is a professional control system made for optimal control and surveillance of baler and baling process. All sensors in the machine are the same specification for easy replacement. All baler models have the same control panel and easy to read menu in a number of languages.



Net tying system

Net tying may be started manually or automatically. Orkel balers cater for net rolls up to 130 cm wide and up to 30 cm diameter.

You can use extra wide net going over the edge of the bale, if needed. There is space for a backup roll of 3600 m in the net box, easy to access.



Stable chamber rollers

18 rollers have four aggressive profiles which ensure rotation of even the most difficult materials as well as increasing the degree of compaction. Bottom rollers have additional gripping abilities. Rollers have 5 inside support discs to provide extra stability under high loads and tension.



For acids and inoculants (option)

The spreading beam is well positioned at the top of the chamber.

A bracket for can or barrel is available. Different types of pumps are available.

Pump and flow can all be managed from the control panel.

Orkel GP 1260

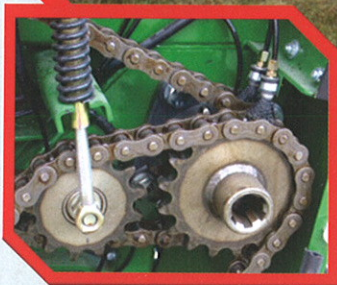
- for grasses, hay and straw



Orkel GP 1260 -top quality baler, producing top quality bales

Forage quality of the bale is of great importance and is managed by the GP 1260.

In an hectic harvesting season, drive stability is important as well. In this matter, the GP 1260 keeps its promises. Steady baling, compact bales, is its specialty.



Greasing of chains

Automatic greasing of chains. Oil is efficiently distributed by high quality brushes.



Bracket for cans

Bracket for cans or barrel is available. (option)
A functional and safe solution.



Connection to tractor

The baler is connected to either ring hitch or Euro drawbar. Hydraulic hoses and control cables are easily managed through a spring tensioned guiding arm. Hydraulic connections are single acting, with a free flow return. Independent power supply direct from the tractor battery.

- ✓ Simple and easy to operate
- ✓ Reliable drive
- ✓ Excellent flotation

Tyre dimensions

A number of alternatives tyres are available. Tyres 500/60x22,5 provide good stability along with a better ride. Dimensions 600/50x22,5 and 700/40x22,5 are optionally available. Brakes are optional.

Orkel GP 1260 Agronic

- simple and safe under all conditions



Orkel GP 1260 Agronic:
Reliable – efficient and attractive.
High second hand value.

A well performing baler – wrapper combination,
based on high quality components and proven
technology.

- ✓ Rational solution – one machine – two jobs
- ✓ Optimal solution – improved economic conditions
- ✓ Well balanced, easy access even in difficult conditions.

Properties to be valued:



Film holders

4 units on each side as standard. Totally 8 extra film rolls possible to carry.



Hydraulic components

Hydraulic valves and components are located inside a closed cover for good protection. Wrapper speed and overlap are easily adjusted.



Tandem / Tyres

Tandem and tyres 500/50 x R17 are standard. All 4 tyres have brakes. Low air pressure in wheels in combination with good weight transfer provides good flotation and access even in difficult conditions.



wrapping

Double wrapping based on efficient film holders as well as functional film cutters. Automatic control of break of film is standard. Bale mat behind protects bale during offloading. Side tipper is optional.



Working light / camera

Working light positioned at the top of the wrapper provides visibility when working at night. Camera control is optional.

Orkel hi Q smartbaler

- Increased bale density – lower cost – higher forage value

New technology improves the round baling method.

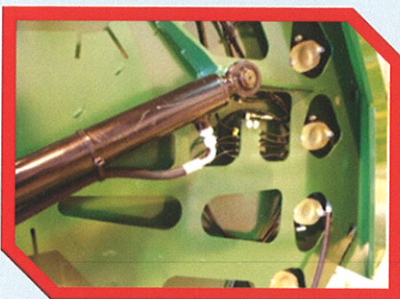
Orkel hiQ smartbaler provides optimal baling results.

ACC – “Active chamber control” continuously monitors and adjusts the baling pressure. The system improves bale density by appr. 15 % compared to static and mechanical pressure systems.

BMP – “Bale process monitoring” provides complete management from the control panel by controlling the chamber pressure, net tying etc.

You may also set bale diameter between 120 cm and 130 cm from the panel.

- ✓ *High capacity baling*
- ✓ *HiT is standard*
- ✓ *Smart and modern design*



Double chamber wall, 4 mm metal sheet provides increased strength and stability.



Load sense and servo valves manage the baling process for optimal results.



Film holders are convenient to operate by easy tilting upwards and downwards.



Reversing of intake rotor / pick-up. Release mechanism between chamber and pick-up. Blockages are easily resolved from the tractor.



Tyre dimension 560/45x22,5 may be supplied for use in extremely wet conditions.

Orkel *HiT* - wide film and net-system for *hi Q* smartbaler

(high tension)



Orkel *HiT* – apply wide film straight to the bale.
Pre-stretched wide film increases the pressure in the bale.
Wide film replacing net is profitable and future orientated technology.

Orkel *HiT* system

Gives you the choice of applying wide film or net directly to the bale.

By applying film wider than 130 cm, the film will go over the edge of the bale as well.



Advantages of Orkel HiT technology:

- ✓ Improved oxygen barrier
- ✓ Impressive bale shape and compaction
- ✓ Higher forage quality
- ✓ Only one type of product , plastic + plastic
- ✓ Easier utilization of the bale
- ✓ No net frozen into the bale.

Technical data for balers:

		GP 1260	GP 1260 Agronic	Hi Q smartbaler
Width	cm	272 /292 / 322	299	275
Length	cm	386	590	620
Height	cm	215	265	280
Weight, depending of configuration	kg	2800	4500	4900
Tire dimensions		500/60 x 22, 5 600/50 x 22,5 700/40 x 22,5	500/50 x R 17	500/50 x R 17 560/45 x R22,5
Brakes		Ekstra	Standard on 4 tyres	Standard on 4 tyres
Tire arrangement		Single axle	Tandem	Tandem
Chamber size, diameter x width	cm	122 x 122	122 x 122	130 x 122
Number of rollers / diameter		18 / 200mm	18/ 200mm	18/ 200mm
Chamber locking		Mekanisk	Mekanisk	Hydraulisk
Number of knives	units	20	20	20
Feed rotor material		Hardox	Hardox	Hardox
Theoretical chop length	mm	52	52	52
Tying system		net	net	Net / wide film
Tying system drive		Electrical	Electrical	Hydraulic
Number og net / wide film rollers		2	2	2 /3
Width of pick -up	cm	210	210	220
Pick -up bars	units	5	5	5
Number of pick-up tines pr row.		16	16	18
PTO speed, standard		540 / 540 E	540 / 540 E	540 / 540 E
Alternative PTO speed		1000	1000	1000
Control system		BUS technology	BUS technology	BUS technology
Automatic greasing		Standard	Standard	Standard
Power requirement (dep. of conditions)	Kw	Min.55-60	Min.80 -85	Min.100-110
Oil flow requirement (constant flow)	l/min		30	50-55
Need for single acting hydraulic outlets		3	3	1
Safety arrangement for pick-up and rotor		Slip clutch	Slip clutch	Slip clutch
Release and reversing of rotor		Release	Release	Reverse
Wrapping capacity (depending of conditions)	Bales/h		40 - 50	40 - 55
Pre-stretchers			2 x 750mm	2 x 750mm
Film control			Standard	Standard
Pre stretch			70 %	70 %
Storage space for rollers			4+4	3+3
Acid beam		Option	Option	Option
Brackets for cans or barrels		Option	Option	Option
Bale mat for bale protection			Option	Option
Bale kicker		Option		
Bale turner			Option	Option
Working lights on wrapper			Option	Option
Camera control of wrapping			Option	Option
Load Sensing hydraulics			Standard	Standard
Acid pump, Serigstad		Option	Option	Option
Acid pump Pro Device				
Bracket for 200 l barrel			Option	Option

Data and specifications are subject to changes at any time without further notice.

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Orkel balers –
the clever choice for profitable and safe baling.

Orkel
clever technology

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