

Kverneland Trailed Rollers
Actiroll Classic, Actiroll & Actiroll HD/HDC



High Performance Recompaction



Actiroll HD

Perfect recompaction and high output





Actiroll Classic, Actiroll & Actiroll HD/ HDC Rollers

The trailed rollers Kverneland Actiroll Classic, Actiroll and Actiroll HD/HDC have been designed to ensure an efficient soil compaction and levelling, either after seeding for an optimum germination or after winter frosts.

Furthermore they reduce the soil porosity and limit evaporation in dry conditions.

The Cambridge rings "Stone Rings" convince with a unique patented design that allows Kverneland to give a 6 year guarantee on these.

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Actiroll & Actiroll Classic: Frame Design



Compact and robust frame

The strong and robust frame provides a high weight rate per meter. The compact design allows short manoeuvres on headlands. The rear position of the central gang ensures short turns without damaging the crop.



Parking leg

As the leg is stored in the middle of the main frame, the roller is very manoeuvrable even on confined headland.

Stone box option

In order to increase the roller weight and to pick up stones in the field, 2 stone boxes can be added on the lateral sections. Each box holds 150kg of stones. During folding, the boxes are emptied automatically.



Clod board

With the clod board, the Actiroll is an active soil preparation tool, able to combine levelling and cracking in one pass, due to the high vibrations of the cracker tines.

The position of the clod board can be adjusted hydraulically from the cab. For rolling winter crops or grass fields, the clod board can easily be set in the off position.

Actiroll Classic

With the Actiroll Classic the farmer gets a more competitive roller with all Kverneland advantages: Stone ring on Cambridge and system Contoura, 6 years warranty on Stone rings,
The clod board can be fitted on all Actiroll and Actiroll Classic except the Actiroll Classic 630 and 930.



Actiroll and Actiroll Classic: Common folding operation



Safe and quick folding to transport position

All functions (folding, unfolding) are activated hydraulically from the tractor cab with one single acting valve for the central lift and a double acting valve to fold the extensions.

The compact frame gives high stability during both transport, and when carrying out folding/unfolding operations.

Contoura:

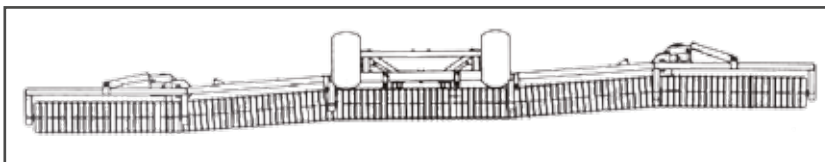
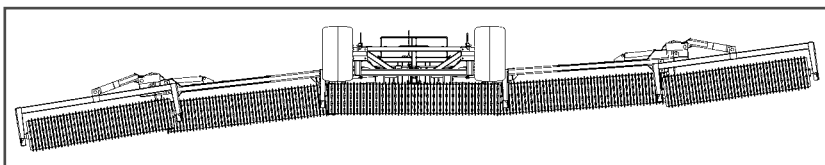
Same weight over the complete working width



Two springs located on each extension equally transfer the load onto the wings (for Actiroll/Actiroll Classic from 4.50m to 8.30m). From the Actiroll 9.30m, the load is transferred by two hydraulic cylinders and accumulator.

Kverneland Actiroll soil consolidation and positive ground following features with the 'Contoura' System

The Contoura system ensures that the Actiroll wings always follow the ground contours: the slotted holes at the ends of the hydraulic cylinders secure a constant contact of the wings with the soil. Moreover, the weight of the central frame is transferred onto the wings by two strong springs (on Actiroll and Actiroll Classic up to 8.3m) and hydraulic cylinders on other models. Therefore, the load of the complete roller is equally applied over the whole working width, whatever the working width.



Safe transport

The Actiroll rollers come standard with a drawbar safety chain and road lighting equipment.

For road transport the wing sections are locked mechanically for optimum security.

With the compact design of the frame, the transport width doesn't exceed 3.00m (2.50m for Actiroll /Actiroll Classic 4.50 to 8.30m).

Stone rings:

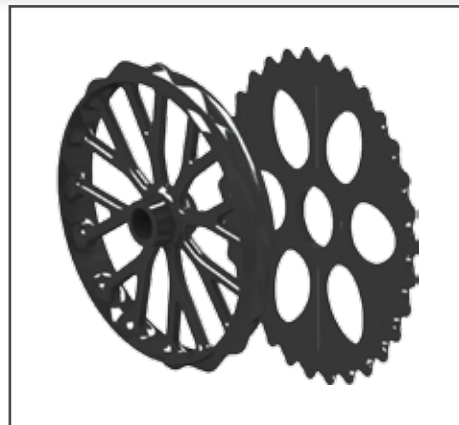
A unique design with 6 years warranty



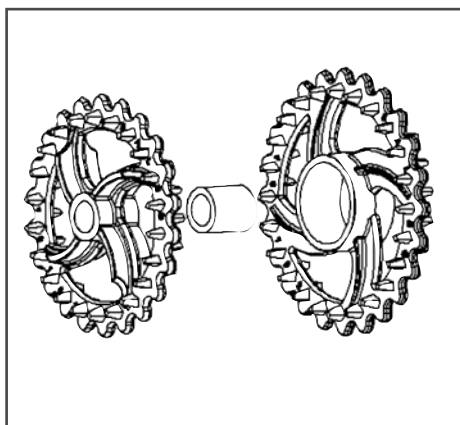
Cambridge ø500/530mm
(whole range) with stone ring as standard with 12 spokes.



Stone Ring Cambridge ø 550/570mm
Ideal to increase the weight of the machine. The rings have 14 spokes.



Stone Ring Cambridge ø 600/610mm
The heaviest stone ring available on 630 et 830 Actiroll. The rings have 16 spokes.



Crosskill ø480mm/530mm (whole range) and heavy Crosskill ø550/600mm (Actiroll HD/HDC only)



Cracker ø500mm / 550mm

NEW

Kverneland introduces 2 new rings called Cracker rings ø500mm or 550mm. These rings are able to run cleaner due to the movement of each ring. They also apply a downforce for a better contact of the seeds to the soil. The result is a loose top layer that prevents capping and underneath firm layers for a better root development. In combination with a cracker board, these rings are ideal for seedbed preparation, to fight against weevil on maize stalks as its habitat for hibernation is destroyed. They also support the tillering of grass and seed germination thanks to a better seed-to-soil contact.



The bearing suspension is available for all Actiroll models as an option for stony conditions. This rubber system absorbs vibrations and chocks, ensuring a longer life to the rings and the roller unit itself.

6 or 3-year warranty on rings

The exceptional patented design and the cast quality used for the rings allow Kverneland to extend the warranty time to 6 years on the Stone Ring version and to 3 years for the others. Unique on the market: Ideal for stony conditions as it is reinforced, the lifetime of the stone ring is six times as high as of a standard ring. The stone rings are assembled onto a heat treated shaft (ø 60mm), maintained on each side by strong bearings.

Actiroll HD

For optimum weight transfer over the whole working width



Available from 10.30m to 24.30m, the Actiroll HD and HDC benefit from the hydraulic weight transfer system Contoura: the weight of the central frame is transferred to the wings by two hydraulic cylinders. Therefore the load applied onto each element ensures

an even reconsolidation over the complete working width. The hydraulic accumulators keep this constant pressure whatever the soil conditions (rough soil, obstacles, etc.). Despite their heavy weight, the Actiroll HD and HDC only need little traction

power. Equipped with rings of large diameter, the traction power requested is even less.

The folding/unfolding sequences are done by single (carriage) and double-acting cylinders (sections).



Thanks to their compact design the Actiroll HD and HDC do not exceed 3m in transport position, whatever the diameter of the rings. The wing sections are mechanically locked and also lock the cylinder of the transport carriage for utmost security. Moreover the Actiroll HD and HDC run very smoothly due to their low centre of gravity.



Actiroll HDC

Seedbed preparation with large working width



Equipped with a clod board, the Actiroll HDC is a real active soil preparation tool. Since each section is mounted on a pivot point for safe movements, it follows the ground contour for perfect levelling of the soil.

The heavy-duty frame of the Actiroll HDC is ready to be equipped with a levelling clod board. Due to the heavy weight applied by this roller (888kg/m compared to 535kg of the Actiroll HD 1230), the Actiroll HDC has an additional hydraulic 3D safety system in front/ rear to allow each section to avoid any obstacle.



Technical data

	Actiroll Classic							Actiroll	
Model	450	530	630	760	830	930	950	630	830
Working width (m)	4.50	5.30	6.30	6.30	8.30	9.30	9.50	6.30	8.30
Transport width (m)	2.50	2.50	2.50	2.50	2.50	3.00	3.00	2.50	2.50
50cm Cambridge weight (kg)	2190	2800	2995	4070	4200	5080	5215	3200	4305
55cm Cambridge weight (kg)	-	3290	3720	4760	4930	5950	6090	3820	5015
60cm Cambridge weight (kg)	-	-	-	-	-	-	-	4515	5875
53cm Crosskill weight (kg)	-	-	2660	3545	3650	4430	4580	2685	3750
60cm Crosskill weight (kg)	-	-	-	-	-	-	-	-	-
50cm Cracker (kg)	-	-	3215	4160	4310	5240	5340	3320	4450
55cm Cracker (kg)	-	-	-	4940	5095	-	6410	3840	5195
Folding sections	3	3	3	3	3	3	3	3	3
Shaft section	3							3	3
Clod board option	✓	✓	✗	✓	✓	✗	✓	✓	✓
Weight distribution system "Contoura"	Mechanically by spring					Hydraulic		Mechanically by spring	
Hydraulic services requested	1 DA + 1 SA					2 DA		1 DA + 1 SA	
Wheels	10.0/75 x 15.3			11.5/80 x 15.5	11.5/80 x 15.5 or 400/60x15.5 with 60cm Cambridge	400/60 x 15.5		10.0/75 x 15.3	11.5/80 x 15.5 or 400/60x15.5 with 60cm Cambridge
Min HP	60	65	70	90	110	130	130	70	110
Max HP	120	130	150	180	200	200	200	150	200



	Actiroll HDC		Actiroll HD							
	HDC 1030	HDC 1230	HD 1030	HD 1230	HD 1430	HD 1530	HD 1630	HD 1830	HD 2130	HD 2430
	10.30	12,30	10.3	12.3	14.3	15.3	16.3	18.3	21.3	24.3
	3,00	3,00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	7285	10920	6280	6955	8950	9505	9980	11170	21090	22440
	8260	11730	7270	8120	10250	10790	11380	12745	23340	24690
	9275	12750	8250	9300	11240	11850	12975	-	-	-
	-	-	5810	6165	8900	8980	9430	10550	19275	20625
	7900	11300	6900	7840	9410	10010	10580	12080	22700	23970
	7550	11070	6790	6855	9080	9720	10130	11350	22465	23735
	8480	12000	7180	7780	10230	10750	11310	12650	-	-
	5	5	3	5	5	5	5	5	5	5
	5									
	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
ng	Hydraulic cylinder and accumulators									
	3 DA	3 DA	1 DA + 1 SA	2 DA	3 DA	3 DA	3 DA	3 DA	3 DA	3 DA
x 00/ 5 cm ge	520/50 x 17	710/40 x 22.5	400/60 x 15.5	480/45 - 17 or 520/50 x17 with 60 cm Cambridge	600/50 x 22.5	600/50 x 22.5	600/50 x 22.5	600/50 x 22.5	600/50 x 22.5	600/50 x 22.5
	160	190	160	190	200	210	230	270		
	300	375	270	300	330	350	375	400	500	550



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Kverneland Group

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