



AMAZONE

Mower collector ***Groundkeeper***

Mower collector ***HorseHopper***



Groundkeeper mower collector

The right choice for green space maintenance



Parks



Cemeteries



Golf courses



Green spaces in
residential areas



Lawns



Sport fields



Campsites



Paddocks

The Groundkeeper by AMAZONE is a mounted mower collector that offers impressive first-class quality and reliability. A hopper capacity from 1,350 l to 3,500 l and working widths from 1.35 m to 2.10 m enable coverage of large green spaces. Above all else, its versatility makes the Groundkeeper the ideal professional machine, be it for mowing, scarifying, mulching or collecting leaves and other rubbish.



The all-seasons machine

	Page
Groundkeeper – the advantages at a glance	4
Scope of operation	6
Mowing and mulching	8
Scarifying	10
Collecting	12
HorseHopper – for better paddock hygiene	14
SmartCut exact cut rotor	16
High-lift discharge	18
Optional equipment	20
The mowing deck	22
Model overview	24
AMAZONE service	26
Technical data	28

Groundkeeper

In **1.35 m** to **2.1 m** working widths

With **1,350 l** to **3,500 l** hopper capacity

With high-lift discharge up to **2.30 m**

The advantages at a glance:

- ⊕ Versatile across the entire year and in any weather: scarifying, mowing, mulching and the collection of leaves and other rubbish
- ⊕ Work in any weather, as well as on short and long grass – extremely robust and reliable SmartCut exact cut rotor
- ⊕ SmartCut exact cut rotor with chevron blade arrangement – for improved cutting and collecting quality and for reduced noise emission
- ⊕ Blade change without tools – quick, simple and safe!
- ⊕ Large hopper capacity and finely shredded cuttings reduce the need for time-consuming emptying
- ⊕ High-lift discharge to up 2.3 m – quick and convenient
- ⊕ The HorseHopper is also used for picking up horse droppings for good paddock maintenance



Versatile for **mowing, scarifying, mulching**
and the **collection** of leaves and other rubbish



MORE INFORMATION
www.amazone.net/grasshopper

The all-seasons machine

Top performance all year round





Groundkeeper SmartCut GHL-T 1500 - 3-point linkage mounted



Groundkeeper SmartCut GHS Drive 1800 with straight drawbar

In use across the entire year:

- ✓ Mowing
- ✓ Scarifying
- ✓ Mulching
- ✓ Collection of leaves, horse droppings or any other rubbish

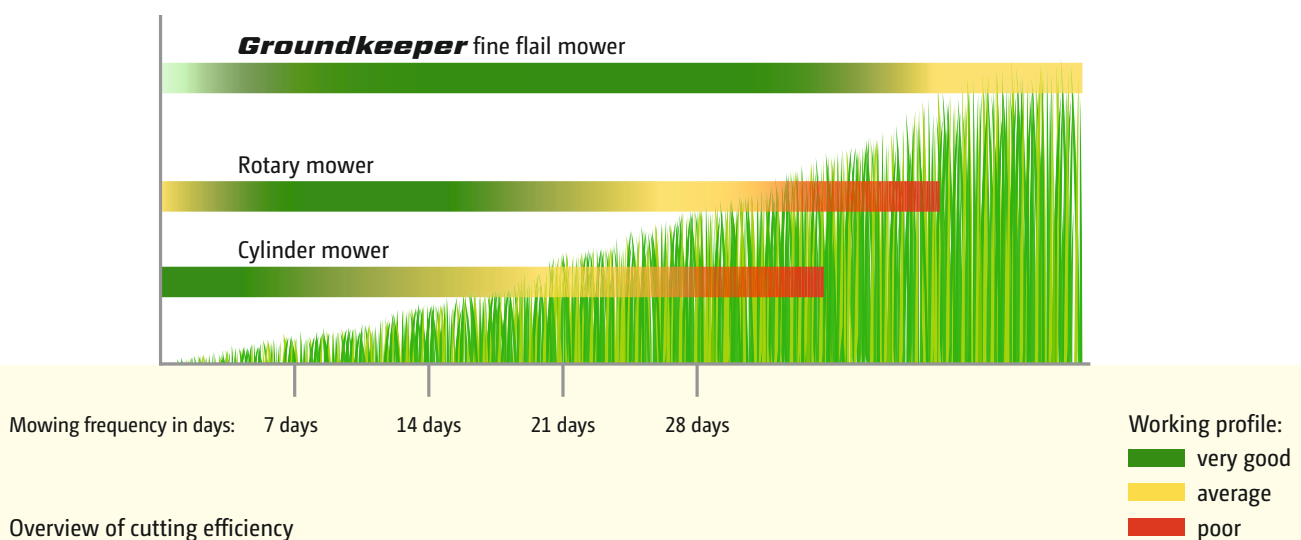
Flexible and versatile

No matter whether short or long grass, damp or dry conditions, with the Groundkeeper you can be relaxed about any operation and at any time of the year.

Excellent cutting quality

Compared with either rotary or cylinder mowers, the Groundkeeper, as a fine flail mower operates reliably, thanks to its design, even at noticeable higher cutting

heights. Both in short and long grass, the Groundkeeper provides a superb quality of cut.



Mowing and mulching

Effective mowing in wet or dry, short or long grass!



The AMAZONE mowing and scarifying system

The Groundkeeper does a superb job in nearly all climatic or vegetative conditions. Its well-proven AMAZONE mowing and scarifying system is the guarantor for well-groomed lawns. Whether the sun is shining, or the early morning dew is still on the grass – work can begin. The Groundkeeper is not bothered whether the grass is wet, exceptionally tall or even thick – it always achieves first class results.

Its large rotor diameter and tolerance to foreign objects makes it the ideal tool for the extensive maintenance of any green spaces.

The combination of reversible mowing blades and sharpened wing cutting blades offers the well balanced combination of little wear and of excellent mowing and collecting performance. Cuttings are finely shredded by the blades. This reduces composting time.

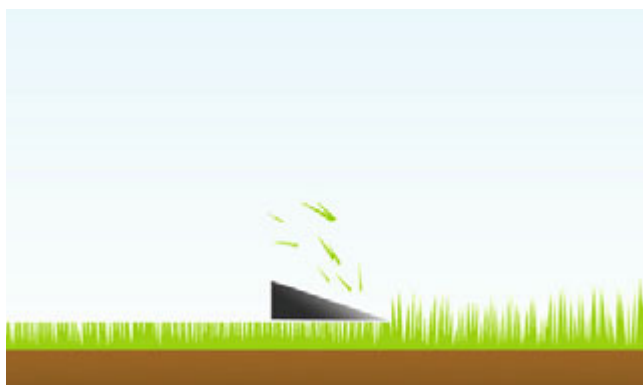


Simple tool-less changeover to mulching

For the first time over, the Groundkeeper can be used without collecting, so that seeds and nutrients are put back onto the ground. A second pass a few weeks later will further process the clippings, working the important nutrients back into the soil helping to enrich it.

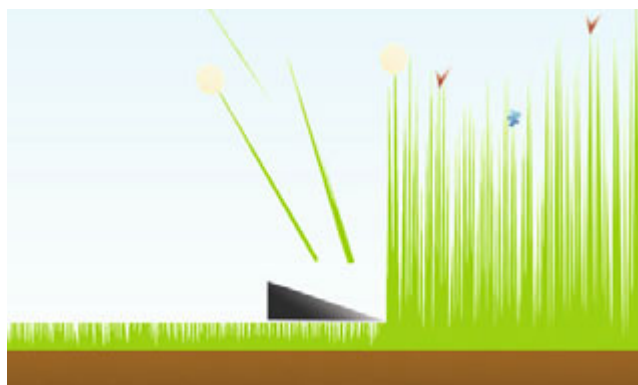


The Groundkeeper combines the advantages of all mowing methods



Mowing

means cutting the blades of grass with a knife. The aim is to limit its growth. This operation therefore must be performed regularly.

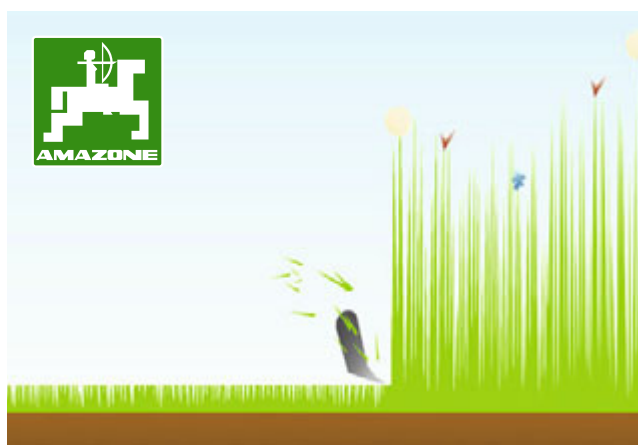


Standard grass-cutting systems

cut off the complete stem at its base. A further operation is required to process the clippings produced into a more manageable length.

Mowing and shredding

The AMAZONE Groundkeeper cuts the stalk off at its base, and then chops it into several pieces which are either gathered up or allowed to fall to the ground. It combines the advantages of mowing and sickle cutting systems in a single machine. The Amazone Groundkeeper can fulfill your green space maintenance requirements.



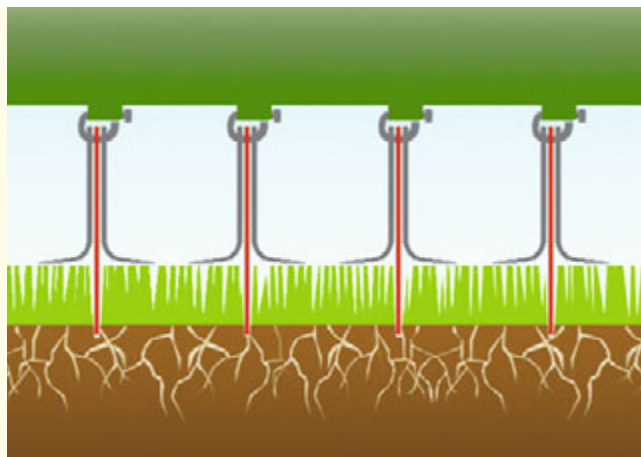
Scarifying

Upgrade your lawn care





Lawn thatch and moss suffocate a lawn



The combination of H60 sharpened wing blades and scarifying blades regenerate the lawn to leave a clean finish

Why scarify?

The natural growth of a lawn can be hindered by the formation of lawn thatch. Tight mowing intervals without collecting, poor rotting of leaves and the remainder of clippings or the formation of moss all serve to suffocate the lawn; they prevent water, nutrients and air from getting into the soil and reaching the roots.

The AMAZONE Groundkeeper removes and collects thatch from a lawn in a single pass.



Healthy soil structure is promoted by trouble-free scarifying with the AMAZONE Groundkeeper

Easily disposes of lawn thatch and moss

The soil structure can be improved and renewed by carrying out trouble-free scarifying with the AMAZONE Groundkeeper. Scarifying blades, fitted to the rotor penetrate 1 to 2 mm into the turf, breaking up the upper earth layer, cutting off parasitic plants and thinning out the lawn surface. Lawn thatch is combed out, collected and simultaneously the soil is rolled. The combination of mowing and scarifying blades produces an outstanding suction effect.



Tool-less conversion to scarifying – and done in seconds

Collecting

Clear out your lawn quickly and efficiently



- ✔ Optimum collecting and shredding of the leaves using the combination of the H77 long wing blades and scarifying knives





One machine for all applications!

The powerful suction effect picks up almost “everything” (leaves, chestnuts, acorns, etc.). This ensures optimum utilisation of the hopper capacity. In addition, the chopping up of the leaves by the rotating blades speeds up their decomposition. Often in the spring, autumn leaves remain covering the ground and the grass can only grow with difficulty. To improve and aid that grass growth, those leaves can be collected and the lawn aerated in a single pass by simply adding in the scarifying blades.

Designed for efficiency!

The rotor’s high rotational speed, plus the combination of sharpened wing blades and scarifying blades make the Groundkeeper a highly efficient method of collecting, even in damp conditions. The robust SmartCut exact cut rotor makes short work of foreign objects.



HorseHopper

Well-cared for paddocks lead to healthy horses!





HorseHopper HH 1500

1.5 m working width, 1,500 l hopper capacity

HorseHopper HH 2100 Super

2.1 m working width, 2,100 l hopper capacity

Better hygiene and optimum paddock usage

The most effective means of improving paddock hygiene is ensuring the regular collection of all horse droppings. Raking paddocks just distributes the excrement along with any prevailing parasites and the proportion of rank grass patches is increased. Whereas, with the HorseHopper, rank grass patches, including metre high thistles, are perfectly mown and collected together with the horse droppings, allowing for a more intensive paddock use.

Advantages of the HorseHopper

- ✔ Collecting horse droppings
- ✔ Mowing of rank grass patches and thistles
- ✔ Grass mowing and collecting
- ✔ Scarifying and collecting
- ✔ Collecting leaves

Standard execution:

- ✔ 3-point linkage tractor mounted Cat. I and II
- ✔ Short, sharpened H60 wing blades in combination with scarifying knives
- ✔ Step-less height adjustable support roller with scraper
- ✔ Mulch flap
- ✔ Castor wheels
- ✔ Stone-protection flaps and guard tube offer accident prevention
- ✔ PTO shaft with over-run clutch
- ✔ Collecting hopper with hydraulic ground-level emptying, internal stone guard plate and air deflector
- ✔ Fill level indicator



HorseHopper HH 2100

SmartCut exact cut rotor

Outstanding cutting and collecting quality



Cross section

- ✔ The rotor has a large diameter and produces an air stream which gives the AMAZONE Groundkeeper an extremely high collection capacity. The 2,650 rpm rotational speed of the rotor ensures a first-class mowing performance.



- ✓ SmartCut exact cut rotor
with V-shaped blade arrangement



Ingenious: mowing – scarifying – collecting – emptying

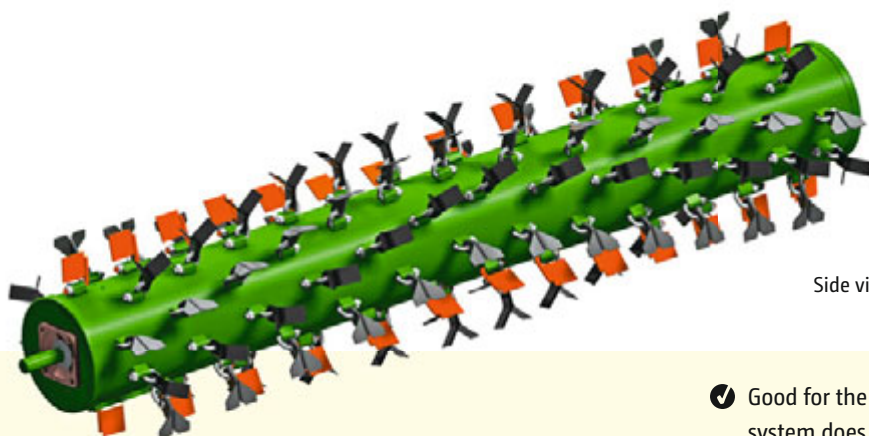
The Groundkeeper's first-class cutting and collecting performance is based on its SmartCut exact cut rotor. An outstanding feature of the SmartCut exact cut rotor is its special, V-shaped blade arrangement, which reduces energy consumption and noise. For this innovation, AMAZONE was awarded a Silver Medal by the Innovations Jury at Demo-park 2013.

Due to the high suction effect provided by the SmartCut rotor, the Groundkeeper can also be used for collecting already mown grass, leaves, debris, acorns, chestnuts etc.

The benefits of the SmartCut rotor, with its V-shaped blade arrangement are obvious in comparison with the rotor technology so far, where the cutting blades are arranged linearly in rows. Because the knives, when arranged in a V-shape, do not pass the shear bar simultaneously but in very short intervals one after the other, they convey the cut material better in the direction of the rotor centre, resulting in less lateral air turbulence and, because of this, in an additional improvement in the collecting performance.

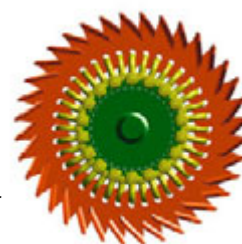
Benefits of the SmartCut exact cutting rotor

- ✓ Precise and clean cutting in one pass
- ✓ Improved collection quality
- ✓ Reduced noise emission
- ✓ Simple and quick blade exchange



Side view of the rotor

- ✓ AMAZONE SmartCut exact cut rotor



- ✓ Good for the operator and the environment: the delivery system does not require any air assistance and in this way operates at low noise levels and is virtually dust-free.

High-lift tipping up to 2.3 m

For quick emptying into containers or trailers – wherever you need.





Hydraulic cylinder lock for Groundkeeper versions with high-lift emptying



Damper for the emptying flap

Convenient emptying

The collecting hopper contents can easily and conveniently be emptied from the tractor seat. The pivot point has been positioned far to the rear, so that even tall containers and trailers can be completely filled. A hydraulic cylinder lock ensures safety when working on the rotor or the hopper under the raised hopper.

All hydraulic functions are controlled using three buttons via the electro-hydraulic control unit, directly from the tractor cab, for convenient operation.



Compacted, cut material in the collection hopper

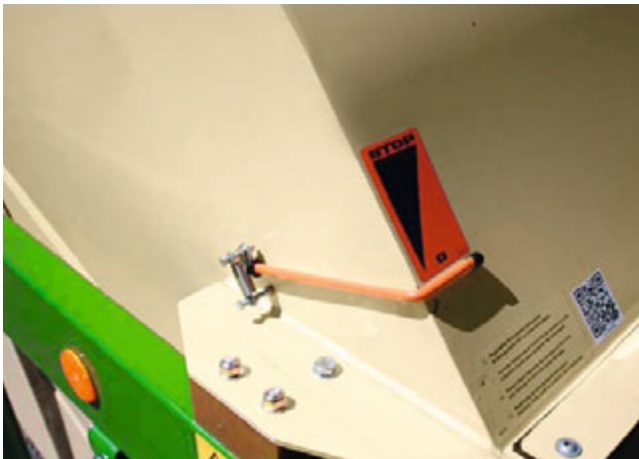


At up to 2.3 m high, the hopper can also be emptied into taller trailers or larger containers



The electro-hydraulic control unit on the models GHD, GHS and GHS Drive (optional equipment) allows all hydraulic functions to be easily controlled

Well thought-out in every detail



- ✓ The fill level indicator for the collection hopper reliably and accurately shows the exact fill level



- ✓ With the support roller an even cutting height and an excellent ground contour following with the mower is achieved. Rolling with the support roller helps to increase the resilience of the lawn.

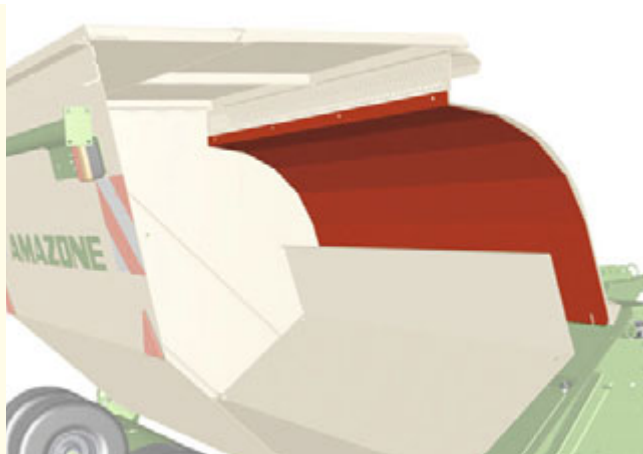


- ✓ The airflow detector exhausts the air, as well as any dust stirred up by mowing, from the back of the machine – improving the operating conditions for both the driver and the tractor (option)

- ✓ The cutting height on all models can be quickly readjusted at any time to suit the type of work being performed.

Standard execution:

- ✓ 50 % H77 long, sharpened wing blades, 50 % mowing blades
- ✓ Infinitely-variable height support roller
- ✓ Mulch flap
- ✓ Castor wheels
- ✓ PTO shaft with over-run clutch
- ✓ Fill level indicator



- ✓ The hopper protection hood helps protect the hopper from being damaged by stones or other foreign bodies.



- ✓ The operating hour meter records the times when the PTO shaft is switched on, enabling documentation of the completed work hours (optional equipment)



- ✓ Thanks to the high transport speed, even long distances are no problem

- ✓ Wide-angle drive shaft



For machines with straight drawbar:

- ✓ Straight drawbar for attachment above the PTO shaft (standard)
- ✓ Straight drawbar for attachment to tractor drawbar beneath the PTO shaft (optional equipment)

For models with 3-point linkage mounting:

- ✓ The adjustable 3-point linkage extension enhances the angle capability of the PTO shaft

The mowing deck

Versatile, robust and safe



✓ Replacing the knives ...



✓ ... without tools, easily and quickly

Blade selection



Cutting blades



H77 long wing blades



H60 wing blades



H88 extra-long sharpened wing blade



Scarifying blades
(2 mm or 3 mm)



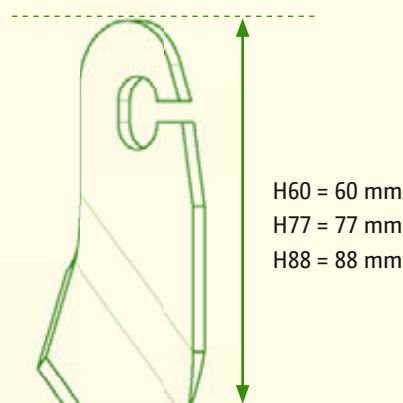
Combination of cutting
blades & scarifying blades



Combination of H77 long
wing blades & scarifying
blades



Combination of H60 wing
blades & scarifying blades



Tool-less, quick-change system for blades

A specific blade for each application

The large diameter of the rotor prevents grass being wound round it. The high wear-resistant qualities of the blades result in little wear. The blade system is insensitive to foreign objects as all the knives are attached separately. The blades are suspended on the rotor via special hooks. They can be turned round and replaced without tools. A high quality cutting performance is achieved over the entire working width.

All important components are quickly and easily accessible, resulting in effective maintenance and ensuring a long life span at minimum expense. Cleaning and maintenance operations can be performed quickly and easily.

Examples		50% reversible mowing blades + 50% H77 long sharpened wing blades	100% H77 long sharpened wing blades	100% H88 extra-long sharpened wing blades	100% scarifying blades	Combination of 100% H60 sharpened wing blades and scarifying blades
Mowing of wild flowers and ecologically sensitive meadows (biotope, annual mowing, fallow land)	In dry conditions	● ● ●	● ●			● ● ●
	In wet conditions	● ● ●	● ● ●			● ● ●
Lawn mowing, park maintenance	In dry conditions	● ● ●	● ●			
	In wet conditions	● ● ●	● ● ●			
Golf course, lawn and sports ground maintenance	In dry conditions	● ●	● ● ●	● ●		
	In wet conditions	● ●	● ● ●	● ● ●		
Close cutting and dethatching lawns						● ● ●
Paddock maintenance						● ● ●
Leaf collection	In dry conditions	● ●	● ●			
	In wet conditions	● ●				
Scarifying and collecting in just a single pass					● ●	● ● ●
Scarifying golf courses, sports grounds or turf farms					● ●	● ● ●

● ● ● very good result

● ● good result

Other combinations possible



HH	GH	GHL-T
 3-point linkage mounted	 3-point linkage mounted	 3-point linkage mounted
 Mulching	 Mulching	 Mulching
 Cutting width 1.50 m to 2.10 m	 Cutting width 1.35 m to 2.10 m	 Cutting width 1.35 m to 1.50 m
 Infinitely variable height adjustment	 Infinitely variable height adjustment	 Infinitely variable height adjustment
 Collecting	 Collecting	 Collecting
 Hopper capacity 1,500 l to 2,100 l	 Hopper capacity 1,350 l to 2,100 l	 Hopper capacity 1,400 l to 1,550 l
 Ground level discharge	 Ground level discharge	 High-lift discharge 1.80 m
 Integrated airflow deflector	 Integrated airflow deflector	 Airflow deflector (optional equipment)
 Hopper protection hood	 Hopper protection hood	 Hopper protection hood
 H60 wing blades (Standard execution)	 H77 wing blades (Standard execution)	 H77 wing blades (Standard execution)
		 Rear caster wheels
		 Road speed 25 km/h*

* Please observe country-specific traffic regulations!



New:
EU type approval
included!

GHS	GHS Drive
 3-point linkage mounted	 Straight drawbar
 Mulching	 Mulching
 Cutting width 1.50 m to 2.10 m	 Cutting width 1.50 m to 2.10 m
 Infinitely variable central height adjustment	 Infinitely variable central height adjustment
 Collecting	 Collecting
 Hopper capacity 2,500 l to 3,500 l	 Hopper capacity 2,500 l to 3,500 l
 High-lift discharge 2.10 m	 High-lift discharge 2.30 m
 Airflow deflector (optional equipment)	 Airflow deflector (optional equipment)
 Hopper protection hood	 Hopper protection hood
 H77 wing blades (Standard execution)	 H77 wing blades (Standard execution)
 Rear caster wheels	 Twin fixed rear wheels
 Road speed 25 km/h*	 Up to 40 km/h on the road*
 Electro-hydraulic control (optional equipment)	 Electro-hydraulic control (optional equipment)



AMAZONE service – always in your vicinity

Your satisfaction is our challenge



AMAZONE

Original AMAZONE Parts

Verschleißteilkatalog
für Landtechnik und Kommunaltechnik

Catalogue pièces d'usure
pour machines agricoles et gamme espaces verts

Wearing parts catalogue
for agricultural machinery and groundcare products

Каталог изнашиваемых деталей
для сельскохозяйственной и коммунальной техники

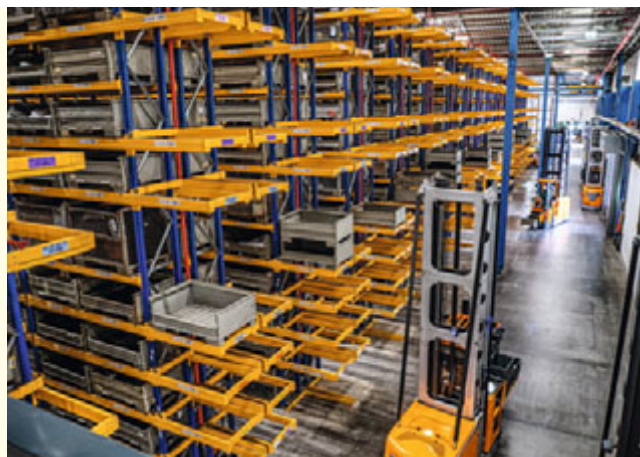
PDF-DOWNLOAD
www.amazone.net/parts



AMAZONE SmartService 4.0

Due to the increasing use of ever more complex machine technology, AMAZONE utilises, with the SmartService 4.0, both virtual and augmented reality as well as digital media for service, training and maintenance advice.

- 1 **SmartTraining:** Training and instruction in the use of complex machinery by using Virtual Reality Technology (VR).
- 2 **SmartLearning:** Interactive driver training for the user for complex machinery operation (www.amazone.net).
- 3 **SmartInstruction:** Repair or maintenance instructions using Augmented Reality (AR) and mobile terminal equipment.
- 4 **SmartSupport:** Direct local support from the service technician via Augmented Reality (AR) and mobile devices.



The satisfaction of our customers is the most important objective

We rely on our expert sales partners for this. Also for service queries they are the reliable contact partner for end users and contractors. Due to continuous training, our sales partners and service technicians are always up to date when it comes to looking after our state-of-the-art technology.

We provide you with a first class spare parts service

The spare parts centre in Tecklenburg-Leeden is the base for our worldwide spare parts logistics system. This ensures optimum availability of spare parts, even for older machines.

Orders for parts in stock at the Tecklenburg-Leeden spare parts centre which, if placed by 5 p.m., leave our premises the same day. 42,000 different spare parts and wearing metal parts are handled and stored via our modern warehousing system. Up to 1,000 orders are sent out to customers every day.

Better to choose the original right from the start

Your machines are subjected to extreme use! The quality of AMAZONE spare parts and wearing metal offers you the reliability and security you need for efficient soil tillage, precise sowing, professional fertilisation and successful crop protection.

Only original spare parts and wearing metal parts provide the durability and functionality expected from AMAZONE machinery. This guarantees an optimum quality of work. Original parts at fair prices pay for themselves in the end.

So opt for the original!

The advantages of original spare parts and wearing metal parts

- ✔ Quality and reliability
- ✔ Innovation and efficiency
- ✔ Immediate availability
- ✔ Higher resale value of the used machine



Technical data: Groundkeeper/HorseHopper

Model	Working width	Tractor mounting			Col-lection hopper (l)	Empty weight (kg)	Permissible total weight* (kg)	Dimensions L x W x H (m)
		Recommended tractor power requirement (hp)		Category				
	(m)	Min.	Max.					
GH 1350	1.35	30	60	Cat. I N, I	1,350	570	910	1.80 x 1.75 x 1.48
GH 1500/HH 1500	1.50	40	80	Cat. I, II	1,500	600	970	1.80 x 1.90 x 1.48
GH 1800 Super/HH 1800 Super	1.80	60	120	Cat. I, II	1,800	690	1,140	1.80 x 2.20 x 1.48
GH 2100 Super/HH 2100 Super	2.10	70	130	Cat. I, II	2,100	760	1,290	1.80 x 2.50 x 1.48

With ground level discharge

GHL-T 1350	1.35	30	60	Cat. I N, I	1400	750	1,100	1.94 x 1.75 x 1.58
GHL-T 1500	1.50	40	80	Cat. I, II	1,550	780	1,160	1.94 x 1.90 x 1.58

Discharge height approx. 1.80 m

GHS 1500	1.50	50	100	Cat. I, II	2,500	970	1,600	2.60 x 1.90 x 1.65
GHS 1800	1.80	60	120	Cat. I, II	3,000	1,000	1,750	2.60 x 2.20 x 1.65
GHS 2100	2.10	70	130	Cat. I, II	3,500	1,040	1,915	2.60 x 2.50 x 1.65

Discharge height approx. 2.20 m

GHS Drive 1500	1.50	50	100	–	2,500	1,030	1,660	3.55 x 1.90 x 1.70
GHS Drive 1800	1.80	60	120	–	3,000	1,130	1,880	3.55 x 2.20 x 1.70
GHS Drive 2100	2.10	70	130	–	3,500	1,240	2,100	3.55 x 2.50 x 1.70

Discharge height approx. 2.30 m

* Value used for testing the lift capacity and permissible total weight of the tractor (mounted implements) and the permissible total weight of the tractor in operation (mounted implements).



Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.



AMAZONE S.A. Forbach

B.P. 90106 · 17, rue de la Verrerie · F-57602 Forbach Cedex

Phone +33 (0)3 87 84 65 70 · Fax +33 (0)3 87 84 65 71

www.amazone.fr · forbach@amazone.fr