



Front loaders

FL FLC FLE

**CLAAS**





# CLAAS front loaders. Everything at your fingertips.

From traditional applications in agriculture and forestry to specialist tasks in the municipal sector – front loaders are used for a huge variety of work.

With more than 18 models in three series, a CLAAS front loader prepares you for anything and considerably extends the capabilities of tractors with an output of 45 to 300 hp. Our front loaders also offer enormous convenience, outstanding durability and a high level of safety.

Many ingenious solutions minimise downtime for tractor maintenance, changing attachments and fitting/removing the front loader, leaving you more time to carry out your loading work efficiently.







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The right choice in any situation.



FL 100-40 E.  
Everything you need.

FL 140-40 C.  
Simply more.

FL 250-60.  
Simply everything.

FL 100-40 E	FL 140-40 C	FL 250-60
For tractors from 45 to 120 hp	For tractors from 45 to 180 hp	For tractors from 60 to 300 hp
Mechanical self-levelling linkage	Integrated mechanical self-levelling linkage	Hydraulic self-levelling linkage
<b>Operating options</b>		
ELECTROPILOT	ELECTROPILOT	ELECTROPILOT
TECHPILOT	TECHPILOT	TECHPILOT
FLEXPILOT	FLEXPILOT	FLEXPILOT
PROPILOT	PROPILOT	PROPILOT
<b>Front loaders: Fitting and removal</b>		
FITLOCK: Rapid fitting and removal of the front loader	FITLOCK: Rapid fitting and removal of the front loader	FITLOCK: Rapid fitting and removal of the front loader
MACH: Easy connection of all electrical and hydraulic lines	MACH: Easy connection of all electrical and hydraulic lines	MACH: Easy connection of all electrical and hydraulic lines
Folding support legs	Folding support legs	Folding support legs
<b>Attachments: Fitting and removal</b>		
Third hydraulic function for attachments	Third and fourth hydraulic function for attachments	Third and fourth hydraulic function for attachments
MACH 2: Quick coupler for the hydraulic connections between the attachment and the front loader	MACH 2: Quick coupler for the hydraulic connections between the attachment and the front loader	MACH 2: Quick coupler for the hydraulic connections between the attachment and the front loader
Mechanical, automatic locking of attachments	Mechanical, automatic locking of attachments	Mechanical, automatic locking of attachments
	FASTLOCK: Hydraulic locking and unlocking of attachments	FASTLOCK: Hydraulic locking and unlocking of attachments
		SPEEDLINK: Hydraulic locking and unlocking of attachments, plus automatic connection and disconnection of all hydraulic and electrical connectors
<b>Comfort and safety</b>		
SHOCK ELIMINATOR vibration damping	SHOCK ELIMINATOR vibration damping	SHOCK ELIMINATOR vibration damping
Safety valve	Safety valve	Safety valve
		ACS: Automatically returns the attachment to the starting position
		SCS: Intelligent synchronisation of attachment angle and the third function





## Perfectly integrated front loaders.

The front loader mounting brackets have been specially designed for CLAAS tractors and transfer mechanical forces across the entire implement frame. They are perfectly matched, allowing ready access to all maintenance points without restricting your tractor's manoeuvrability. This ensures that you can work productively and save yourself a lot of valuable time. Whether your front loader is installed at the factory or retrofitted, it will complement your tractor perfectly, creating a powerful unit which boosts the versatility and economic efficiency of CLAAS tractors from 45 to 300 hp.



## Clear view.

Thanks to the wide FOPS (Falling Object Protective Structure) glass roof, CLAAS tractors are ideally equipped for safe front loader work. You have a clear view of the entire working area for loading and are well protected from falling materials.



## Front loaders and tractors from CLAAS.

CLAAS front loaders are perfectly matched to your tractor and the challenges you face in your day-to-day work. Whether you're working around the farm yard or in the fields, they are ideal when it comes to handling straw and silage bales, manure handling, feeding, loading trailers and much more besides.

Our front loaders make the most of the manoeuvrability, hydraulic power and efficiency of CLAAS tractors. Together, they form a powerful unit which can handle the toughest of tasks.



## Benefit from versatility.

A high-performance front loader isn't much use on its own – which is why CLAAS supplies a wide range of more than 60 different attachments for any application. Whether you are moving bulk material, pallets, manure, straw bales or silage bales, our range of attachments will ensure safe and precise handling. All our attachments have been developed for professional use, offering high efficiency and outstanding stability.



**ELECTROPILOT**  
(AXION 800, ARION 600 / 500 and ELIOS).

AXION 800, ARION 600 / 500 and ELIOS tractors can optionally be fitted with the ELECTROPILOT system at the factory. The integral joystick in the armrest or right-hand console controls all the front loader functions. The joystick features an excellent ergonomic design, and is easy and very comfortable to use.



**ELECTROPILOT (ARION 400).**

The joystick in the ARION 400 is integrated into the right-hand armrest. In addition to operating the front loader, it can also be used to simultaneously control the QUADRISHIFT / HEXASHIFT transmission. It is no longer necessary to alternate between gear-shifting and front loader actuation, bringing considerable benefits when it comes to operation. With its ergonomic design and razor-sharp precision, the joystick is ideal for all front loader operations.

**TECHPILOT (all models).**

CLAAS also offers high-quality electrohydraulic operation for retrofitted front loaders in tractors below 100 hp. This smooth, extremely precise operating system is recommended for very intensive front loader work.

**FLEXPILOT (all models).**

With its hydraulic pilot-controlled operating valve, the FLEXPILOT provides maximum operating comfort and the highest level of precision. To save on hydraulic output and time when lowering, the lift rams are operated in single-acting mode. If required, the double-acting mode can be activated at any time by fully depressing the FLEXPILOT control lever.

**PROPILOT (all models).**

PROPILOT is a multifunctional single-lever control system which operates using Bowden cables. It has been specially designed for operating the front loader, and has proven its worth in everyday use.



ELECTROPILOT (AXION 800 and ARION 600 / 500)



ELECTROPILOT (ARION 400)



FLEXPILOT (all models)



PROPILOT (all models)

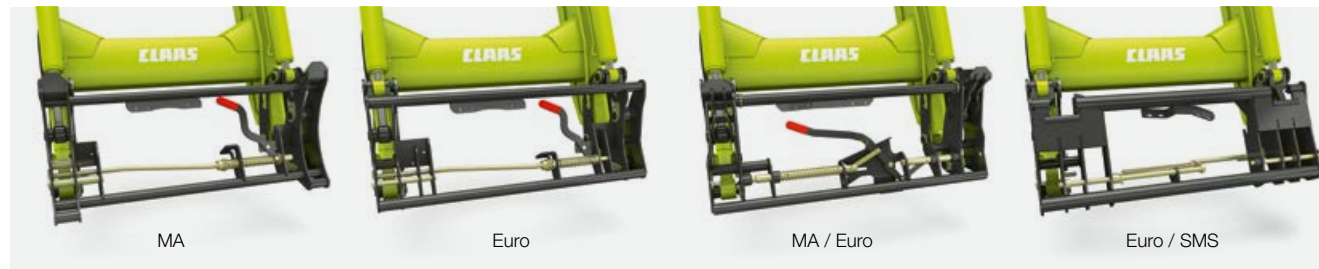
Control lever functions.

	ELECTROPILOT (AXION 800, ARION 600 / 500)	ELECTROPILOT (ARION 400)	ELECTROPILOT (ELIOS)	TECHPILOT (all models)	FLEXPILOT (ARION 400)	FLEXPILOT (all models)	PROPILOT (all models)
4-way control lever for lift arm operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adjustable flow rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-
Third and fourth function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FASTLOCK and SPEEDLINK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Select drive direction	<input type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-
Joystick deactivation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

available - not available



# Change attachments in no time at all.



## Changing the attachment is quick and easy.

The front loaders come with a range of quick-change frames (MA, Euro, MA / Euro, Euro / SMS) for attachment locking. This makes it possible to fit a wide variety of attachments, taking into account different standards for attachment types, brands and individual country preferences. As a result, existing attachments can still be used with the new front loader.

The ingenious design reduces lifting power requirements and provides ideal crowding and dumping angles.

## Mechanical attachment locking.

All quick-change frames are equipped with an automatic mechanical locking device as standard. Simply tilt the new attachment upwards to lock the safety bolt into place.



## MACH 2.

You can easily connect the hydraulic couplings between the attachments and front loader in just one action, even when the lines are under pressure – you'll never mix up the connections again. The couplings have a flat seal, making oil stains on the ground a thing of the past.



## FASTLOCK.

With FASTLOCK, attachments can be hydraulically locked and unlocked from the comfort of the cab.

	FL E	FL C	FL
<b>Locking and unlocking</b>			
Mechanical with automatic locking	Two-lever system	One-lever system	One-lever system
FASTLOCK hydraulic locking	–	<input type="checkbox"/>	<input type="checkbox"/>
<b>Mounting system</b>			
EURO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MA / EURO	–	<input type="checkbox"/>	<input type="checkbox"/>
EURO / SMS	–	<input type="checkbox"/>	<input type="checkbox"/>
Third function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fourth function	–	<input type="checkbox"/>	<input type="checkbox"/>
MACH 2 quick coupler for third and/or fourth function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

available – not available



With FASTLOCK, one press of a button is all it takes to lock the attachments.





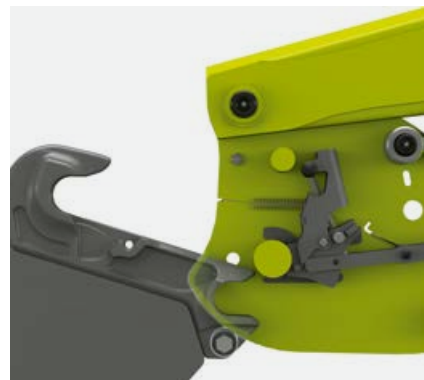
Only leave your cab once.

With a combination of FITLOCK and MACH, you only need to leave your cab once to connect the front loader. Just drive the tractor up to the lift arms: as soon as the FITLOCK system is pre-locked in place, you get out of the cab, connect the multi-coupling system and stow the support legs in the boom. It's that easy!



The support legs fold under the boom easily and do not obstruct the view of the front loader.

FITLOCK on FL and FL C.



Drive in



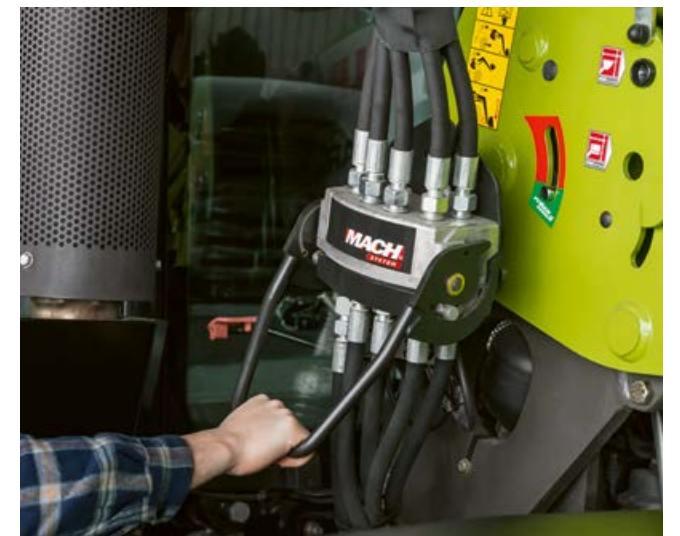
Pre-lock



Lock

MACH – just one action.

With the MACH multi-coupling system, you can easily connect all the hydraulic and electrical connections in just one action, even when the lines are under pressure. Simply place the multi-coupling system on the tractor bracket, pull the handle down and everything is connected. The hydraulic connectors have flat seals so they don't drip and remain clean and dry. Problems caused by dirt in the hydraulic system or wrong connections are now a thing of the past.



FITLOCK for effortless fitting and removal.

With the FITLOCK system, you can fit and remove the loader effortlessly without tools. Installing the front loader is child's play. FITLOCK allows you to attach the loader quickly, safely and easily in any situation, even on uneven surfaces. The pre-lock mechanism secures the connection before the FL and FL C front loader locks fully into position. The FL E series has a simplified FITLOCK with a single-stage, manual locking system.



From your driving position in the cab, a glance at the lock indicator is all it takes to check that the lift arms are properly engaged. Detaching the loader is just as quick and easy.





Convenience, safety and quality down to the last detail.



### High load capacity.

A large crowd angle – between 47° and 52° at ground level – gives your attachment a high fill capacity, particularly when transporting bulk materials. In the FL and FL C front loaders, the maximum crowd angle also increases by 10% from a lift height of 1.2 m, further preventing material losses.



### Quality and durability.

The special design of the lift arms provides excellent stability and superb visibility under all conditions. All the pivot points are lubricated and reinforced by a welded, replaceable bush to guarantee a long service life.



### SHOCK ELIMINATOR.

The SHOCK ELIMINATOR has a nitrogen-filled accumulator which absorbs impacts and protects the tractor, driver and front loader from vibration. Less fatigue and improved concentration produce better work results throughout the day. The SHOCK ELIMINATOR can be switched off for special applications.



The SHOCK ELIMINATOR employs a nitrogen-filled accumulator to reliably minimise impacts, jolts, physical shocks and vibrations.

### Safety valve.

Optional safety valves for the lift and tilt rams guarantee safety when using a work platform<sup>1</sup>. The valve is not activated until pressure is applied to a line, and closes automatically if pressure is lost, preventing uncontrolled movements of the lift arms.

<sup>1</sup> Always obey national regulations when using a work platform on the front loader.



Thanks to electrical switching in the FL and FL C series, the safety valves can be combined with the SHOCK ELIMINATOR vibration damping system.

### Robust bracket.

The front loader bracket transmits the mechanical loads evenly throughout the tractor – the weight is distributed along the tractor's full length. These units can master even the most demanding and heavy-duty tasks with ease.



### Protected grease nipples.

All the grease nipples are recessed in the pins and do not protrude beyond the front loader profile. This means they are well protected and easily accessible. All the main pins have a standard diameter of 40 mm and are rotation-proof, ensuring maximum safety in all loading situations.





# FL 100-40 E.

## Everything you need.



### Loading made easy.

The FL E is the perfect choice if you are looking for a simple, efficient and robust front loader.

- For tractors from 45 to 120 hp
- Mechanical self-levelling linkage
- Hydraulic lines are integrated into the boom
- FITLOCK with manual locking and unlocking
- Third hydraulic function for attachments
- MACH 2 to connect the third function
- Mechanical, automatic locking of attachments
- Folding support legs



### Precision tilt indicator.

The easily visible tilt indicator keeps you informed about the angle of the attachment in relation to the ground. This allows the driver to position the attachment precisely whilst lowering. The position marker can be adapted to the attachment and the job in hand without tools.



### Secure connection with FITLOCK.

With the FITLOCK system, you can fit and remove the loader effortlessly without tools. The FL E series has a simplified FITLOCK with a single-stage, manual locking system. A glance at the lock indicator is all it takes to check that the lift arms are properly engaged. Detaching the loader is just as quick and easy.



### Automatic attachment locking.

In the mechanical standard specification, simply tilt the attachment to lock the safety bolt into place. To unlock it, just release the two levers on either side of the quick-change frame.



### Easy to fold.

Fold and unfold the support legs simply by moving the pin. Several holes are provided, making it easy to adjust the leg height even on uneven ground.



### Safe storage.

The hydraulic lines are routed under the boom, protecting them from damage and leaving a clear view of the attachments.



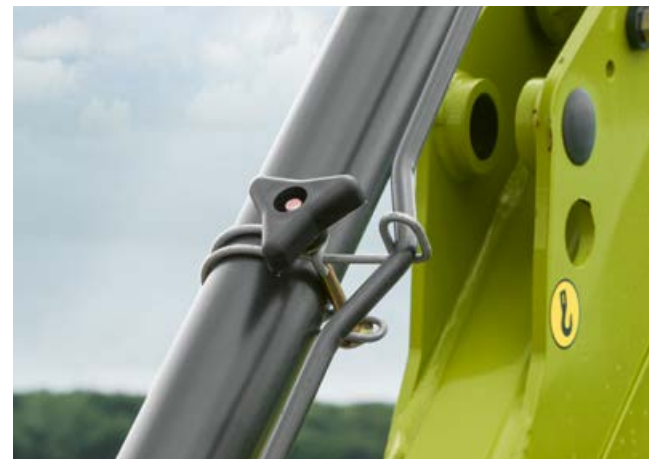
# FL 140-40 C. Simply more.



## Unrivalled convenience.

Designed for intensive work, the FL C features a slim design and provides a superb view of the work area.

- For tractors from 45 to 180 hp
- Integrated mechanical self-levelling linkage
- Hydraulic lines are integrated into the boom
- FITLOCK with automatic locking and unlocking
- Third and fourth hydraulic function for attachments
- MACH 2 for connection of the third and fourth function
- Mechanical, automatic attachment locking or FASTLOCK for hydraulic locking and unlocking of attachments
- Folding support legs



## Precision tilt indicator.

The easily visible tilt indicator keeps you informed about the angle of the attachment in relation to the ground. This allows the driver to position the attachment precisely whilst lowering. The position marker can be adapted to the attachment and the job in hand without tools.



## Secure connection with FITLOCK.

The FITLOCK system provides effortless fitting and removal without tools. The pre-lock mechanism secures the connection before the front loader locks fully into position. From your driving position in the cab, a glance at the lock indicator is all it takes to check that the lift arms are properly engaged. Detaching the loader is just as quick and easy.



## Automatic attachment locking.

In the mechanical standard specification, simply tilt the attachment to lock the safety bolt into place. To unlock it, just release the two levers on either side of the quick-change frame. With FASTLOCK (optional), attachments can be hydraulically locked and unlocked from the comfort of the cab.



## Easy to fold.

Fold and unfold the support legs simply by moving the pin. Several holes are provided, making it easy to adjust the leg height even on uneven ground.



## Safe storage.

The hydraulic lines are integrated into the boom to protect them from damage and give the driver a clear view of the attachments.



# FL 250-60. Simply everything.



## Higher, faster and more accurate.

Discover the intelligent solutions in the FL front loader.

- For tractors from 60 to 300 hp
- Hydraulic self-levelling linkage
- Hydraulic lines are integrated into the boom
- FITLOCK: with automatic locking and unlocking
- Third and fourth hydraulic function for attachments
- MACH 2 for connection of the third and fourth function
- Mechanical, automatic attachment locking or FASTLOCK for hydraulic locking and unlocking of attachments
- Folding support legs
- Additional options available for greater productivity and convenience: ACS, SCS and SPEEDLINK



## Precision tilt indicator.

The easily visible tilt indicator keeps you informed about the angle of the attachment in relation to the ground. This allows the driver to position the attachment precisely whilst lowering. The position marker can be adapted to the attachment and the job in hand without tools.



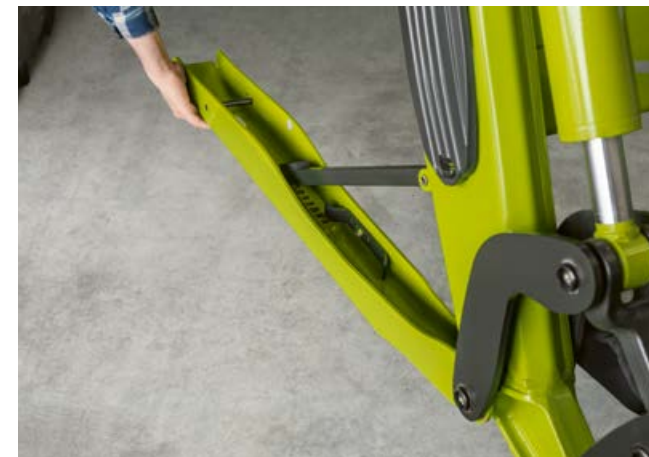
## Secure connection with FITLOCK.

The FITLOCK system provides effortless fitting and removal without tools. The pre-lock mechanism secures the connection before the front loader locks fully into position. From your driving position in the cab, a glance at the lock indicator is all it takes to check that the lift arms are properly engaged. Detaching the loader is just as quick and easy.



## Automatic attachment locking.

In the mechanical standard specification, simply tilt the attachment to lock the safety bolt into place. To unlock it, just release the two levers on either side of the quick-change frame. With FASTLOCK (optional), attachments can be hydraulically locked and unlocked from the comfort of the cab.



## Easy to fold.

The support legs automatically engage in the correct position when the loader is lowered to the ground. The front loader can therefore be fitted and removed quickly without tools.



## Safe storage.

The hydraulic lines are integrated into the boom to protect them from damage and give the driver a clear view of the attachments.





Hydraulic self-levelling linkage (PCH).

The FL range of front loaders is equipped with the PCH hydraulic self-levelling linkage, which maintains the angle of the attachment precisely and automatically.

Two hydraulic rams underneath the lift arms compensate for the changes in angle that occur when the lift arms move up and down. They are positioned so that the operator has an uninterrupted view of the front loader.



35% more lifting power.

The PCH linkage is permanently fixed to the tilt rams, which increases the lifting power by 35% without needing any additional energy input. The weight of the loaded attachment generates pressure in the tilt rams which is transferred to the PCH rams and supports the lifting process.

Always at the right angle.

To help you choose the best operating angle for the attachment you are using, the self-levelling rams have two possible positions:



1 Pallet position.

Ideal for handling pallets and bales, because the attachment angle remains unchanged.



2 Bucket position.

Suitable for all bulk goods. The bucket is tilted slightly inwards during lifting, preventing the contents from falling out.



- 1 Pallet position
- 2 Bucket position





## ACS – convenient attachment positioning.

The Active Control System (ACS) automatically returns your attachment to its starting position at the touch of a button. This helps you to work comfortably and efficiently, especially on long, repetitive jobs.



## SCS – one control for two functions.

The Synchro Control System (SCS) enables you to load larger volumes safely. When filling and emptying, the driver normally has to control the attachment angle and operate the third function virtually at the same time. Thanks to intelligent synchronisation of these two movements by the SCS system, all that's now required is one push of the button. This closes the grab for filling and opens it for dumping. The result: greater productivity.



## SPEEDLINK.

In addition to hydraulic locking, SPEEDLINK<sup>1</sup> allows you to automatically connect and disconnect all hydraulic and electrical connections from the cab when fitting or removing implements. As soon as the attachment is released, all connections are completely sealed to keep out dirt or other contamination.

<sup>1</sup> SPEEDLINK is only available with the MA quick-change frame.





Transform your CLAAS tractor into a versatile all-purpose machine.




A huge range of high-performance attachments is available for use with CLAAS front loaders. The entire range is based on the practical experience of professional operators, and has been specially developed with farmers' day-to-day activities in mind.



Earthmoving bucket, BT  
Bolted teeth or wear edge



		Weight (kg)	Width (mm)	Height (mm)
BT 130 II	450 l	183	1320	690
BT 150 II	515 l	200	1520	690
BT 180 II	625 l	230	1820	690
BT 200 II	695 l	245	2020	690
BT 225 II	780 l	265	2270	690


Universal bucket, BR  
Without teeth



		Weight (kg)	Width (mm)	Height (mm)
BR 180	785 l	266	1820	764
BR 200	875 l	284	2020	764
BR 225	985 l	305	2270	764
BR 245	1070 l	322	2470	764


Universal bucket, BR U  
Without teeth



		Weight (kg)	Width (mm)	Height (mm)
BR 150 U	625 l	160	1500	755
BR 180 U	750 l	181	1800	755
BR 200 U	840 l	203	2000	755
BR 225 U	945 l	210	2250	755


High-capacity bucket, BC H  
Without teeth



		Weight (kg)	Width (mm)	Height (mm)
BC 180 H	1300 l	299	1800	815
BC 200 H	1450 l	318	2000	815
BC 220 H	1600 l	336	2200	815
BC 250 H	1825 l	371	2500	815

4-in-1 bucket, BQU<sup>1</sup>




		Weight (kg)	Width (mm)	Height (mm)
BQU 150	420 l	387	1530	860
BQU 180	500 l	445	1830	860
BQU 210	585 l	480	2130	860

High-tip bucket, BRDS<sup>1</sup>

Designed for high trailers (1.1 m above the maximum front loader height)




		Weight (kg)	Width (mm)	Height (mm)
BRDS 180	1300 l	470	1800	835
BRDS 210	1550 l	510	2100	835
BRDS 250	1800 l	570	2500	835

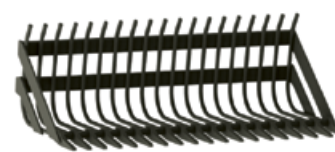
Silage bucket, BCA<sup>1</sup>


Bucket equipped with fixed teeth, a clamp or a rotary cutter



		Weight (kg)	Width (mm)
BCA 210	1400 l	450	2100

Riddle bucket, BP



		Weight (kg)	Width (mm)	Height (mm)
BP 150	634 l	240	1500	700
BP 170	720 l	280	1700	700
BP 200	846 l	330	2000	700
BP 250	1058 l	410	2500	700

<sup>1</sup> Third function required



Beet and potato bucket, BB



		Weight (kg)	Width (mm)	Height (mm)
BB 230	2233 l	580	1500	1230
BB 250	2427 l	630	1700	1230

Multi-purpose bucket, BMS<sup>1</sup>



		Weight (kg)	Width (mm)	Height (mm)
BMS 120 M	560 l	215	1200	643
BMS 135 M	625 l	230	1350	643
BMS 155 M	725 l	246	1550	643
BMS 175 M	820 l	262	1750	643
BMS 205 M	965 l	318	2050	643
BMS 225 M	990 l	323	2250	643
BMS 180 H	1050 l	399	1800	705
BMS 200 H	1160 l	423	2000	705
BMS 225 H	1305 l	466	2250	705
BMS 245 H	1420 l	488	2450	705

Two side plates for moving loose bulk materials (optional)

Multi-purpose bucket, BMS HD<sup>1</sup>

Heavy-duty models for FL 250 only



		Weight (kg)	Width (mm)	Height (mm)
BMS 210 HD	1410 l	717	2100	785
BMS 230 HD	1550 l	759	2300	785
BMS 245 HD	1655 l	791	2450	785

Manure fork, BF



	Number of tines	Weight (kg)	Width (mm)	Height (mm)
BF 120	6	135	1200	640
BF 135	7	154	1350	640
BF 155	8	167	1550	640
BF 175	9	185	1750	640
BF 205	10	205	2050	640
BF 225	11	220	2250	640

<sup>1</sup> Third function required

Manure fork, BF U

not compatible with grab



	Number of tines	Weight (kg)	Width (mm)	Height (mm)
BF 120 U	6	100	1200	700
BF 140 U	7	115	1400	700
BF 160 U	8	130	1600	700
BF 180 U	9	145	1800	700

Combined manure fork, CG<sup>1</sup>



	Number of tines	Weight (kg)	Width (mm)	Height (mm)
CG 120	6	595 l	1200	640
CG 135	7	670 l	1350	640
CG 155	8	770 l	1550	640
CG 175	9	875 l	1750	640
CG 205	10	1030 l	2050	640
CG 225	11	1160 l	2250	640

Combined manure fork, CG U<sup>1</sup>



	Number of tines	Weight (kg)	Width (mm)	Height (mm)
CG 120 U	6	515 l	1200	700
CG 140 U	7	600 l	1400	700
CG 160 U	8	685 l	1600	700
CG 180 U	9	765 l	1800	700
CG 200 U	10	850 l	2000	700

Shear grab, SG<sup>1</sup>



		Weight (kg)	Width (mm)	Height (mm)
SG 120	680 l	398	1200	765
SG 150	810 l	431	1500	765
SG 180	910 l	517	1800	765

<sup>1</sup> Third function required



# High-performance attachments.

Pallet fork, TR



	Weight (kg)	Width (mm)	Tine size (mm)	Height (mm)
TR 1 650 kg	170	1320	1000 x 80 x 40	780
TR 2 500 kg	195	1320	1200 x 100 x 45	780

2.00 m extension kit available as an option  
2-tine kit for conversion into bale fork available as an option

Big-bag carrier, LS 1000



	Load capacity (kg)	Weight (kg)	Width (mm)	Height (mm)
LS 1000	1000	85	1210	Adjustable from 1620-1920

Lift hook, CL 2500



	Load capacity (kg)	Weight (kg)	Width (mm)	Height (mm)
CL 2500	2500	130	1200	510

Log grab, PG 2000<sup>1</sup>



	Load capacity (kg)	Weight (kg)	Width (mm)	Opening width (mm)
PG 2000	2000	430	1230	500-1450

Sugarcane grab, PCS 500<sup>1</sup>



	Load capacity (kg)	Weight (kg)	Width (mm)	Opening width (mm)
PCS 500	500	384	1100	1400

<sup>1</sup> Third function required

MANUBAL – the flexible bale clamp.  
Moves all bales.



L 40

L 500

L 6000

	Number of tines	Number of round bales	Number of square bales
L 40	2	1	1
L 500	2	2	3
L 6000	3 / 5	3	4



C 30<sup>1</sup>

C 40<sup>1</sup>

U 40<sup>1</sup>

	Round bales	Square bales	Grab type
C 30 <sup>1</sup>	Wrapped bales	–	Clamp
C 40 <sup>1</sup>	Wrapped bales	–	Clamp
U 40 <sup>1</sup>	Wrapped bales	Wrapped bales	Clamp



V 40<sup>1,3</sup>

V 50<sup>1,3</sup>

V 60<sup>2,3</sup>

V 500<sup>1</sup>

V 7000<sup>1</sup>

W 500<sup>1,3</sup>

	Height (1.2 m bales)	Round bales	Wrapped bales	Square bales	Number of grabs
V 40 <sup>1,3</sup>	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 x single
V 50 <sup>1,3</sup>	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 x on mechanical extension
V 60 <sup>2,3</sup>	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 x on hydraulic extension
V 500 <sup>1</sup>	5	<input type="checkbox"/>	–	<input type="checkbox"/>	1 x double
V 7000 <sup>1</sup>	6	<input type="checkbox"/>	–	<input type="checkbox"/>	1 x triple
W 500 <sup>1,3</sup>	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 x single

available – not available

<sup>1</sup> Third function required

<sup>2</sup> Third and fourth function required

<sup>3</sup> Optional wrapped-bale clamp



# Whatever it takes. CLAAS Service & Parts.



## Your requirements count.

You can always rely on us: we'll be there whenever you need us. Everywhere. Fast. Reliable. 24 hours a day if necessary. With a complete solution for your machine or business. Whatever it takes.

## 100% operating reliability.

Fitting CLAAS ORIGINAL parts ensures the highest degree of operating reliability. Our parts are perfect-fitting, high-quality series parts produced using the latest manufacturing methods and subject to continuous quality controls. Whatever it takes.

## ORIGINAL parts and accessories.

Your machine has a crucial role to play – so ensuring its reliability is essential. We think in terms of solutions: for your harvesting requirements and your business. Specially matched to your machine: precision-manufactured parts, high-quality consumables and useful accessories. We will supply exactly the right solution for your machine from our comprehensive product range. Whatever it takes.

## Always quick on the scene.

A tight-knit service network and personal contact partners ensure that we are always easily accessible – from sales staff to technical support and customer service. Whatever it takes.

## Always up to date.

CLAAS dealers are among the most efficient agricultural technology businesses in the world. Our service teams are ideally qualified and equipped with the all-important special tools and diagnostic systems. CLAAS Service stands for high-quality work which meets all your expectations with regard to expertise and reliability. Whatever it takes.

## Worldwide coverage from Hamm.

Our central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world. Your local CLAAS partner can supply the right solution for your harvest or your business within a very short time. Whatever it takes.

The CLAAS Parts Logistics Center in Hamm, Germany, stocks more than 155,000 different parts and has a warehouse area of over 100,000 m<sup>2</sup>.





Simply convincing.  
An impressive list of features.



#### Load more, load faster.

- Three series and 16 models to meet every need
- Mechanical or hydraulic self-levelling linkage
- Integrated mounting bracket for uniform weight distribution and high stability
- Maximum loading reach and high lifting capacity
- ACS for automatic attachment positioning
- SCS for intelligent synchronisation of attachment angle and the third function
- FASTLOCK for convenient attachment locking
- SPEEDLINK for fully automatic fitting and removal of all attachments
- Large selection of quick-change frames and attachments for all your tasks

#### Unrivalled convenience.

- Five in-cab control options to choose from
- FITLOCK system for quick and easy coupling and removal
- Flat-seal couplings on MACH and MACH 2 quick couplers prevent oil leakage during attachment
- MACH system for easy connection of all electrical and hydraulic lines
- MACH 2 for simple, manual connection of attachment hydraulic lines
- SHOCK ELIMINATOR to protect the tractor, front loader, attachment and driver
- Safety valves with electric switching, can be combined with the SHOCK ELIMINATOR

#### FL.

		FL 250	FL 150	FL 140	FL 120	FL 100	FL 80	FL 60
With self-levelling linkage		●	●	●	●	●	●	●
Maximum height at attachment pivot point	m	4.60	4.60	4.50	4.15	4.00	3.85	3.75
Maximum height under bucket in horizontal position (1)	m	4.35	4.35	4.25	3.90	3.75	3.60	3.50
Maximum height under bucket in tilted position (2)	m	3.80	3.80	3.70	3.35	3.20	3.05	2.95
Digging depth	m	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Dumping angle at maximum height (3)	°	50	50	50	55	55	55	52
Crowd angle at ground level (4)	°	51	51	51	52	52	52	47
Ripping power at attachment pivot point at ground level	kg	3430	3430	2670	2750	2400	2100	1600
Higher ripping power (+ 300 kg)		—	—	—	○	○	○	—
Lifting capacity at attachment pivot point over entire lift height	kg	3050	3050	2320	2450	2190	1890	1250
Lifting capacity on pallet (0.60 m towards the front of forks, at ground level)	kg	3040	3040	2360	2410	2080	1800	1450
Lifting time	s	8.2	8.2	6.4	6.2	5.4	4.6	3.9
Tilting time	s	1.4	1.4	1.4	1.4	1	1	0.7
Empty weight without optional equipment	kg	697	660	630	550	535	480	460

#### FL E.

		FL 100 E	FL 60 E	FL 40 E
With self-levelling linkage		●	●	●
Maximum height at attachment pivot point	m	4.00	3.80	3.50
Maximum height under bucket in horizontal position (1)	m	3.65	3.45	3.15
Maximum height under bucket in tilted position (2)	m	3.00	2.80	2.50
Digging depth	m	0.15	0.15	0.15
Dumping angle at maximum height (3)	°	55	55	55
Crowd angle at ground level (4)	°	47	47	47
Ripping power at attachment pivot point at ground level	kg	2300	2150	1900
Lifting capacity at attachment pivot point over entire lift height	kg	2150	2000	1500
Lifting capacity on pallet (0.60 m towards the front of forks, at ground level)	kg	1800	1600	1380
Lifting time	s	5.00	4.30	3.70
Tilting time	s	2.1	2.0	1.8
Empty weight without optional equipment	kg	500	440	430

#### FL C.

		FL 140 C	FL 120 C	FL 100 C	FL 100 C	FL 80 C	FL 80 C	FL 60 C	FL 60 C	FL 40 C	FL 40 C
With self-levelling linkage		●	●	●	—	●	—	●	—	●	—
Maximum height at attachment pivot point	m	4.50	4.15	4.00	4.00	3.85	3.85	3.75	3.75	3.50	3.50
Maximum height under bucket in horizontal position (1)	m	4.25	3.90	3.75	3.75	3.60	3.60	3.50	3.50	3.25	3.25
Maximum height under bucket in tilted position (2)	m	3.70	3.35	3.20	3.20	3.05	3.05	2.95	2.95	2.70	2.70
Digging depth	m	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Dumping angle at maximum height (3)	°	50	55	55	55	55	55	52	52	52	52
Crowd angle at ground level (4)	°	47	47	47	47	47	47	47	47	47	47
Ripping power at attachment pivot point at ground level	kg	2670	2400	2400	2400	2100	2100	1900	1900	1600	1600
Higher ripping power (+ 300 kg)		—	○	○	○	○	○	○	—	—	—
Lifting capacity at attachment pivot point over entire lift height	kg	2320	2200	2200	2200	1900	1900	1500	1500	1400	1400
Lifting capacity on pallet (0.60 m towards the front of forks, at ground level)	kg	2100	1825	1780	1600	1650	1750	1400	1150	1180	950
Lifting time	s	6.4	5.4	5.4	5.4	5.4	5.4	3.9	3.9	3.3	3.3
Tilting time	s	1.4	1.9	1.9	1.8	1.9	1.8	1.4	1.4	1.4	1.4
Empty weight without optional equipment	kg	720	595	575	510	520	475	500	445	455	400



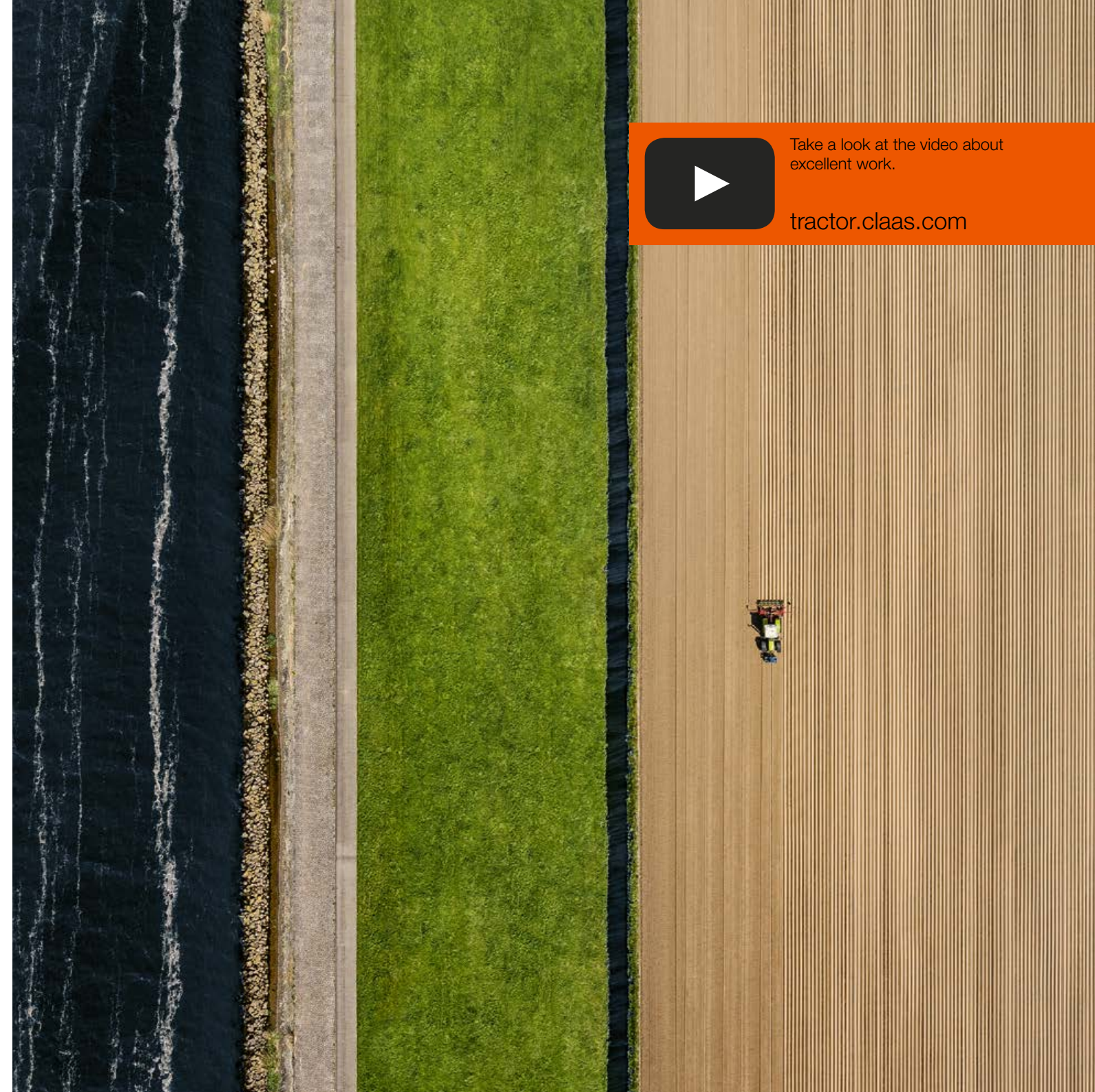
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Tractor / front-loader combinations.

Model	Type	FL	FL C	FL E
TALOS 120	A38	–	40	40
TALOS 130	A38	–	40	40
TALOS 210	A39	60	40, 60	40, 60
TALOS 220	A39	60	40, 60	40, 60
TALOS 230	A39	60	40, 60	40, 60
TALOS 240	A39	60, 80	60, 80	60
ELIOS 210	A28	60	40, 60	40, 60
ELIOS 220	A28	60	40, 60	40, 60
ELIOS 230	A28	60	40, 60	40, 60
ELIOS 210	A48	–	40	40
ELIOS 220	A48	60	40, 60	40, 60
ELIOS 230	A48	60	40, 60	40, 60
ELIOS 240	A48	60	40, 60	40, 60
AXOS 310	A22 / 62	60, 80	60, 80	60
AXOS 320	A22 / 62	60, 80	60, 80	60
AXOS 330	A22 / 62	80, 100	80, 100	100
AXOS 340	A22 / 62	80, 100	80, 100	100
ATOS 220	A78 / 98	60	40, 60	40, 60
ATOS 230	A78 / 98	60	40, 60	40, 60
ATOS 240	A78 / 98	60	40, 60	40, 60
ATOS 330	A79 / 99	60, 80	40, 60, 80	40, 60
ATOS 340	A79 / 99	80, 100	80, 100	100
ATOS 350	A79 / 99	80, 100	80, 100	100
ARION 410	A21	80, 100, 120	80, 100, 120	100
ARION 420	A21	80, 100, 120	80, 100, 120	100
ARION 430	A21	80, 100, 120	80, 100, 120	100
ARION 410	A32 / 52	80, 100	80, 100	100
ARION 420	A32 / 52	80, 100	80, 100	100
ARION 430	A43 / 53	80, 100, 120	80, 100, 120	100
ARION 440	A43 / 53	80, 100, 120	80, 100, 120	100
ARION 450	A43 / 53	80, 100, 120	80, 100, 120	100
ARION 460	A43 / 53	80, 100, 120	80, 100, 120	100

Model	Type	FL	FL C	FL E
ARION 510	A18	100, 120, 140	100, 120	100
ARION 520	A18	100, 120, 140	100, 120	100
ARION 530	A18	100, 120, 140	100, 120	100
ARION 540	A18	100, 120, 140	100, 120	100
ARION 520	A34	100, 120, 140	100, 120	100
ARION 530	A34 / 35	100, 120, 140	100, 120	100
ARION 540	A34 / 35	100, 120, 140	100, 120	100
ARION 550	A34 / 35	100, 120, 140	100, 120	100
ARION 510	A74 / 75	100, 120, 140	100, 120, 140	100
ARION 530	A74 / 75	120, 140	100, 120, 140	–
ARION 550	A74 / 75	120, 140	100, 120, 140	–
ARION 610 C	A20	100, 120, 140	100, 120, 140	100
ARION 620 C	A20	100, 120, 140	100, 120, 140	100
ARION 630 C	A20	120, 140, 150	120, 140	–
ARION 640 C	A20	120, 140, 150	120, 140	–
ARION 610	A19	100, 120, 140	100, 120, 140	100
ARION 620	A19	100, 120, 140	100, 120, 140	100
ARION 630	A19	120, 140, 150	120, 140	–
ARION 640	A19	120, 140, 150	120, 140	–
ARION 620	A36 / 37	120, 140, 150	120, 140	–
ARION 630	A36 / 37	120, 140, 150	120, 140	–
ARION 640	A36 / 37	120, 140, 150	120, 140	–
ARION 650	A36 / 37	120, 140, 150	120, 140	–
ARION 610	A76 / 77	120, 140, 150	120, 140	–
ARION 630	A76 / 77	120, 140, 150	120, 140	–
ARION 650	A76 / 77	120, 140, 150	120, 140	–
ARION 660	A77	120, 140, 150	120, 140	–
AXION 800	A40	250	–	–
AXION 810	A30 / 31 / 40 / 41	250	–	–
AXION 820	A30 / 31 / 40	250	–	–
AXION 830	A30 / 31 / 40 / 41	250	–	–
AXION 840	A30 / 31 / 40	250	–	–
AXION 850	A30 / 40 / 41	250	–	–
AXION 870	A41	250	–	–



Take a look at the video about excellent work.

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Excellent work. Tractors from CLAAS.

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