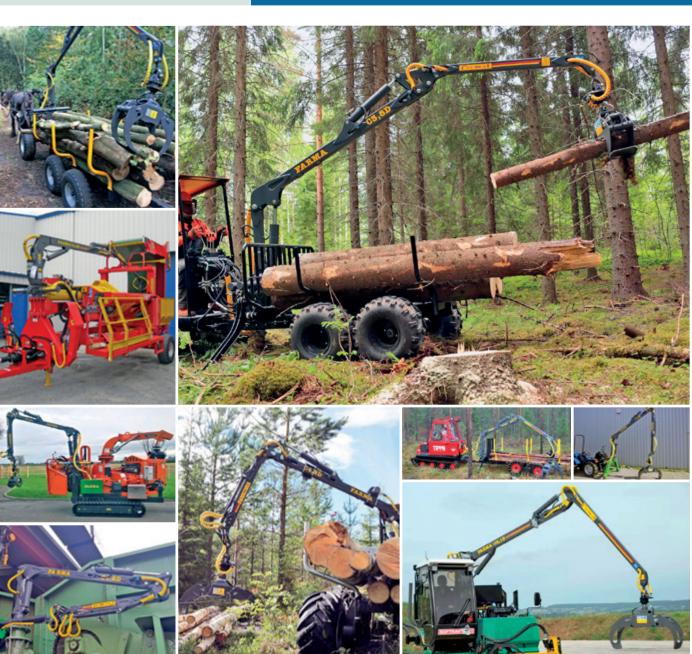


FARMA® Cranes and Accessories

# **FARMA** Small Crane Range C3.8 G2/C4.2 G2/C4.6 S G2/C4.6 D G2/C5.1



## The small and compact yet strong crane range

The small crane range produced is designed with input from the end user. The small, powerful yet compact cranes are the percect choice for small scale forestry or for mounting on chippers, trailers, small tractors and trucks.

The 3.8 m generation 2 crane is a modern crane with linkage system perfect for working in small urban enviroments and low impact forestry.

C 4.2 is a small but powerful crane equipped with a linkage system, perfect for working in small urban enviroments and low impact forestry. The crane has a reach of 4.2 m and is equipped with a single extension of 0.6 m.

This crane is extremely powerful, which allows for heavier lifting. A customer favourite. A 4.6 m crane is also available in our generation 2 series, which offers the very best close range properties, smoother operation and an outer arm that is equally powerful through the working range. The linkage makes work adjacent to the crane column/railing much easier and smoother. The C 4.6 S G2 crane has two slewing cylinders and a slewing torque of 5 kNm. The C 4.6 D G2 has four slewing cylinders and a slewing torque of 10 kNm. For heavy loads, we recommend the model with four slewing cylinders.

C 5.1 has been one of our bestselling crane models. The crane is ideal for users within small scale forestry.

The small crane range is designed for users who do not need to lift heavy loads and do not need to perform long reach work.

#### FARMA G2 cranes are available in models: C 3.8/C 4.2/C 4.6 FARMA G1 cranes are available in models: C 5.1

	C 3.8 G2	C 4.2 G2	C 4.6D G2	C 4.65 G2	C 5.1
Reach (m)	3,8	4,2	4,6	4,6	5,1
Slewing angle (°)	370	370	360	360	360
Telescopic stroke length (m)	Х	0,6	Х	Х	Х
Weight incl. 0,12 grapple*	355	380	455	585	600
Weight incl. 0,16 grapple*	380	400	475	605	625
Weight incl. 0,20 grapple*	Х	Х	505	645	665
Lifting force full length	475	430	555	555	450
Lifting capacity net (kNm)	18	18	23	23	23
Recommended flow (I/min)	10-35	10-35	20-50	20-50	20-50
Working pressure (bar)	175	175	175	175	175
Weight (kg)	290	310	400	460	530

\*The weights include grapple, rotator and link (kg).

For additional information about crane sizes, movement patterns and specifications please refer to the matrix and technical data in this brochure and to www.forsmw.com, where detailed information is available. We reserve the right to alter specifications without prior notice. Figures for the measurements are only of illustrative purpose. Numbers can be rounded off to the nearest whole number.

# **FARMA Medium Crane Range** (5.3 G2/(6.3 G2/(6.7 G3/(7.0 G2/(8.5 G2))))

## FARMA`s versatile and popular medium to large crane range

5.3 m and 6.3 m cranes belong to our successful Generation 2 range and are equipped with a linkage system for optimal movement and lifting. The C 6.3 G2 is equipped with a 1.1 m extension for when you need to reach that little bit further. This model has been a firm customer favourite.

The brand new FARMA C 6.7 G3 is a longer and stronger crane in our medium-sized forestry crane range that meets all the requirements of timber handling. An entirely new telescopic mechanism, hidden hoses and excellent boom geometry all contribute to excellent forestry work performance. C 6.7 G3 comes with a new powerful 10 kNm slewing drive that achieves 30% better slewing and has an improved design compared to previous slewing drives.

The FARMA C 7.0 is one of the market's most well-thought-out and best cost effective cranes. The crane has a reach of 7.0 m with a single extension. Lifting power and movement geometry are exceptional. The attractive design, together with the choice of material, give a low dead weight.

The FARMA C 8.5 is our longest and most professional crane. A modern crane with linkage system. The crane's design offers the very best close range properties, smoother operation and an outer arm that is equally powerful throughout the whole working range. The C 8.5 has a double telescopic extension with an overall stroke length of 2.9 m.

FARMA G3 cranes are available in models: C 6.7 FARMA G2 cranes are available in models: C 5.3/C 6.3/C 7.0/C 8.5

		1			
	C 5.3 G2	C 6.3 G2	C 6.7 G3	C 7.0 G2	C 8.5 G2
Reach (m)	5,3	6,3	6,7	7,0	8,5
Slewing angle (°)	360	360	360	380	380
Telescopic stroke length (m)	Х	1,1	1,45	1,3	2,9
Weight incl. 0,12 grapple*	650	Х	Х	Х	Х
Weight incl. 0,16 grapple*	675	765	745	Х	Х
Weight incl. 0,20 grapple*	715	800	785	945	980
Weight incl. 0,24 grapple*	Х	Х	Х	980	1 020
Lifting force full length	565	440	420	720	520
Lifting capacity net (kNm)	30	28	28	48	45
Recommended flow (l/min)	40-70	40-70	20-50	20-50	20-50
Working pressure (bar)	190	190	175	175	175
Weight (kg)	580	630	650	810	850

\*The weights include grapple, rotator and link (kg).

For additional information about crane sizes, movement patterns and specifications please refer to the matrix and technical data in this brochure and to www.forsmw.com, where detailed information is available. We reserve the right to alter specifications without prior notice. Figures for the measurements are only of illustrative purpose. Numbers can be rounded off to the nearest whole number.



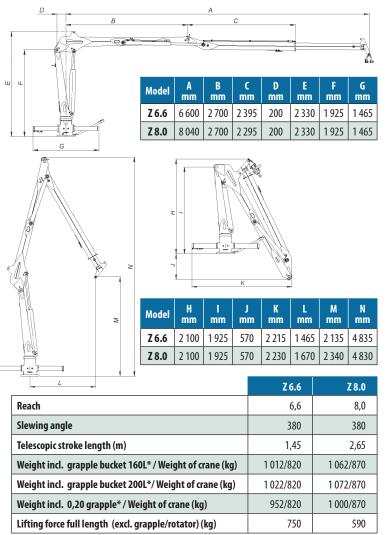


# **Z-Cranes Z6.6/Z8.0**



## BIGAB Z-crane is a perfect crane for the contractors

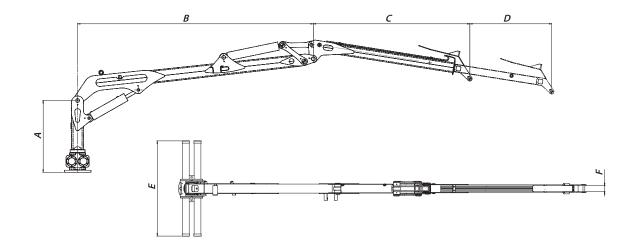
The crane is designed to be parked in front of the trailer in the transport position, so that it does not cause disruption during work. Thanks to an innovative approach in the design of the crane, focus has been on increasing visibility from the cab during tipping and exchange. Z-cranes are available with a reach of 6.6 and 8 metres.



\*The weights include grapple, rotator and link.

For additional information about crane sizes, movement patterns and specifications please refer to the matrix and technical data in this brochure and to www.forsmw.com, where detailed information is available. We reserve the right to alter specifications without prior notice. Figures for the measurements are only of illustrative purpose. Numbers can be rounded off to the nearest whole number.

# **FARMA** Cranes' Main Dimensions



	A mm	B mm	C mm	D mm	E mm	F mm
C 3.8 G2	960	2 200	1 650	-	960	50
C 4.2 G2	960	2 200	1 410	595	960	50
C 4.6 G2	950	2 840	1 780	1780 – 1270		50
C 5.1	950	2 960	2 110	. 110 –		50
C 5.3 G2	950	3 150	2 150	-	1 270	60
C 6.3 G2	950	3 150	2 100	1 100	1 270	60
C 6.7 G3	1 445	3 245	2 075	1 455	1 270	80
C 7.0 G2	1 590	3 370	2 340	1 300	1 500	60
C 8.5 G2	1 590	3 370	2 340	2 900	2 900 1 500	

All dimensions in the figures are in mm. Figures for the measurements are only of illustrative purpose. Numbers can be rounded off to the nearest whole number.

For additional information about crane sizes, movement patterns and specifications please refer to the matrix and technical data in this brochure and to www.forsmw.com, where detailed information is available. We reserve the right to revise specifications without prior notice.

	_						VALVE CHOICES												GRAPPLES			ROTATOR			
FARMA Crane	Crane telescopic boom	Slewing cylinders	5-lever	6-lever	7-lever	8-lever	2 XY + 3 lever	2 XY + 4 lever	2 XYZ +2 lever Reindeer	2- levers + 3 elec. on/off	2- levers + 4 elec. on/off	2- levers + 5 elec. on/off 4WD	Hydraulic servo	Elec. proportional 6 prop. 2 on/off	Radio elec. proportional 8 prop.	Elec. Proportional flow sharing	Damper	LED Crane lights	0.12	0.16	0.20	0.24	3 tons, 49 mm	4 tons, 59 mm	Hydraulic remote control winch
C 3.8 G2	Х	4	L	Х	0	Х	0	Х	Х	0	Х	Х	0	0	0	0	0	0	0	0	Х	Х	0	Х	0 <sup>1</sup>
C 4.2 G2	S	4	Х	L	X	0	Х	0	0	Х	0	Х	0	0	0	0	0	0	0	0	Х	Х	0	Х	0 <sup>1</sup>
C 4.6 S G2	Х	2	L	Х	0	Х	0	Х	Х	0	Х	Х	0	0	0	0	0	0	0	0	0	Х	0	Х	0 <sup>2</sup>
C 4.6 D G2	Х	4	L	Х	0	Х	0	Х	Х	0	Х	Х	0	0	0	0	0	0	0	0	0	Х	0	Х	<b>0</b> <sup>2</sup>
C 5.1	Х	4	L	Х	0	Х	0	X	Х	0	Х	Х	0	0	0	0	0	0	0	0	0	Х	0	Х	<b>0</b> <sup>2</sup>
C 5.3 G2	Х	4	L	Х	0	Х	0	Х	Х	0	Х	Х	0	0	0	0	0	0	0	0	0	Х	0	Х	<b>0</b> <sup>2</sup>
C 6.3 G2	S	4	Х	L	Х	0	Х	0	0	Х	0	0	0	0	0	0	0	0	0	0	0	Х	0	Х	<b>0</b> <sup>2</sup>
C 6,7 G3	S	4	Х	L	Х	0	Х	0	0	Х	0	0	0	0	0	0	0	0	0	0	0	Х	0	Х	<b>0</b> <sup>2</sup>
C 7.0 G2	S	4	Х	L	Х	0	Х	0	0	Х	0	0	0	0	0	0	0	0	Х	Х	0	0	Х	0	0 <sup>2</sup>
C 8.5 G2	S	4	Х	L	Х	0	Х	0	0	Х	0	0	0	0	0	0	0	0	Х	Х	0	0	Х	0	<b>0</b> <sup>2</sup>
S = Standard 0 = Option L = Loose crane X = Not available		The number denotes the number of cylinders	L= Only for loose crane	L= Only for loose crane						Reco	mmended by F	ARMA					For slewing, lifting and lowering	2 pcs	Weight 53 kg	Weight 70 kg	Weight 115 kg	Weight 145 kg	Weight 16 kg	Weight 21 kg	1RW600 2RW1300

# **Grapple skidder**



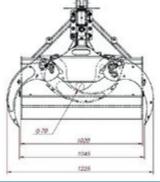
## FARMA GS 1000 TM

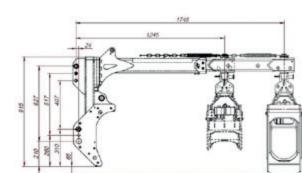
FARMA grapple skidder is a powerful tool for small and medium-sized tractors to get timber out from the forest.

There are several models available depending on the requirement. Using the grapple skidder it is easy to grab logs and pull them into place, even in the poorly accessible areas.

The specially developed grapple has a max opening of 1 metre, weights 87 kg and is made of high strength steel.

Grapple skidder is available with manual pull-out or hydraulic telescopic mechanism. Operations are possible with the tractor's hydraulics. As an extra option to the grapple skidder, we offer the FARMA winch RW600S that can be controlled via the tractor or via radio control. The winch can pull out 600 kg.The winch also includes a protective cover to protect driver and the tractor. FARMA grapple skidder is designed to fit Cat 1 and 2 three-point tractor hitches.





Technical data

Weight

Working pressure

**Turning angle** 

**Telescopic extension** 

Butt plate width

Linkage category

**Guarding rail** 

Radio controlled winch

Gripping force arms tip-tip

Skidder

7.0 kN

17.5 MPa

225 ka

L/R-90°

500 mm

1020 mm

<60 Hp

Optional

Optional

# **Energy cutter**



# **ENERGY CUTTER BC 18**

FARMA offers energy cutters for use on excavators and cranes, making work more productive. Felling, gathering, cutting and loading everything from trees and brash to bushes and stumps can be dealt with easily. Makes tree cutting easy and the fixed blade is easy to maintain. Various adapters are available for excavators.

Technical data	BC 18	BC 25
Max. cutting diameter	180 mm*	250 mm*
Max. grapple opening	660 mm	890 mm
Max. height	600 mm	630 mm
Max. pressure	19.0 MPa	25.0 MPa
Recommended oil flow	40-60 l/min **	40-60 l/min**
Tilt angle	90 degrees***	-
Size, rotator mount	49/59 ****	-
Weight	190 kg	350 kg

\* The maximum cutting diameter ultimately depends on the choice of tree species.

\*\* Can be used at 25 l/min, although operation becomes slow.

- \*\*\* BC 18 for cranes.
- \*\*\*\* This model is supplied with a replaceable rotator mount. Specify the desired mount when ordering.

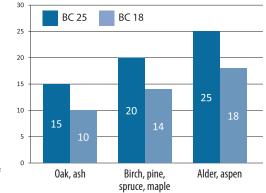


# **ENERGY CUTTER BC 25**

BC 25 - a larger, stronger and more powerful energy cutter for excavators. The BC 25 is larger than the BC 18 and is made for mounting with various adapters on small to medium-sized excavators. It fells up to 25 cm thick timber depending on tree species. It uses two powerful cylinders to quickly and efficiently cut through the timber. The replaceable blade is specially designed for B (25 and is made of high wear resistant steel. The BC 25 is equipped with an exchangeable quick coupler. For example, S40 and S45 or any other quick coupler required.

#### **CUTTING CAPACITY**





Bear in mind that there are many aspects that can influence the potential to cut a tree of 18/25 cm, these include the tree species, moisture, and ambient temperature and whether the tree is frozen.

# Log lifter



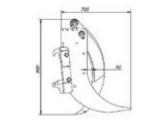
## LOG LIFTER LL 1000

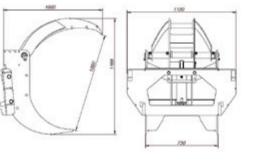
FARMA has developed a complete timber grip for a variety of tractors with front loaders, wheelloaders, telescopic loaders and other small machines with standard brackets.

LL 1000 allows you to move logs simply and easily, on the farm, in the forest, in the terminal. Log lifter has a max opening of 100 cm and can hold up to 50 cm logs. In normal use it can lift 600 kg. To add extra value to your log lifter, we offer RW 600 winch as an extra option. Using the winch you can pull the material from 30 metres. The winch is controlled remotely, which is included with the necessary valve installation. It is easily retrofitted. The timber grip is available with various bolted brackets which are interchangeable, if necessary.



Technical data	Log lifter
Max. grapple opening	1 000 mm
Max. height	1 165 mm
Max. pressure	19.0 MPa
Recommended oil flow	20-40 l/min
Weight without fitting	165 kg
Max. load	1 500 kg





# Winch



# WINCH RW 1300 / RW 600

FARMA offers two models of radio winch in its range. The radio control makes the work kinder on the body but above all, safer. The winch is available in two models. A smaller version for 3.8 m cranes with 5 mm cable and a length of 30 m, as well as a model for 4.6 m cranes and upwards with a 6 mm cable and a length of 35 m as standard.



# RW 600 for installation on C3.8 m crane.

## RW 1300

Technical data	RW 1300 Winch
Traction force at 175 bar	1 300 kg
Line speed at 40 l/min (m/sec)	0.8 m/sec
Cable length	35 m
Cable diameter	6 mm
Weight, winch	52 kg including winch, cable, pulley.
Radio control	2-channel

## RW 600

Technical data	RW 600 Winch
Traction force at 175 bar	600 kg
Line speed at 40 l/min (m/sec)	1.1 m/sec
Cable length	30 m
Cable diameter	5 mm
Weight, winch	23 kg including winch, cable, pulley.
Radio control	2-channel

# **3-point frames**

# **3-POINT FRAME**

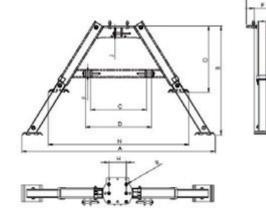
If you wish to mount the crane on the tractor's three point linkage (hydraulic arms or flapdowns) a so-called three point attachment is required to secure the crane. The attachment is available for different models depending on the size of the crane.



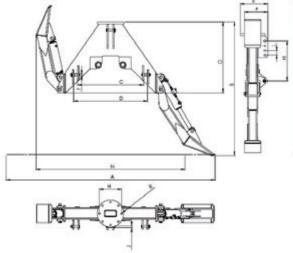


	A	В	C	D	E	F	G	H	I	J	K	L	М	N	0	Р	R	COMPATIBLE WITH
SMALL (100919)	2 315	1 305	670	790	-	28	-	210	-	25	330	-	480	1 685	795	240	24	FARMA C3.8, C4.2
MEDIUM (100918)	2 345	1 645	890	990	-	28	-	300	-	25	445	70(1x)	740	1 780	1 020	350	22	FARMA C4.6, C5.1, C5.3, C6.3
FLAP-DOWN CAT 2 (100917)	2 785	1 780 or 1 940	880 or 640	985 or 945	-	28	-	300	-	25	395	70(3x)	595 or 580	1 985	945 or 1 100	340	22	FARMA C5.3, C6.3
FLAP-DOWN CAT 2/3 (100937)	3 580	1 655	770	945	1 085	28	37	300	32	25	865	70(x2)	685	2 225	880	685	22	FARMA C6.7, C7.0, C8.5

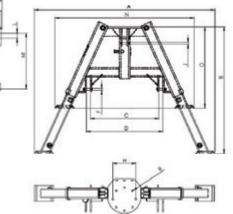
3-POINT TELESCOPIC SMALL (100919)



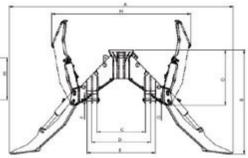
3-POINT FLAP DOWN CAT 2 (100917)

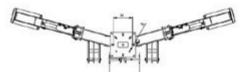


**3-POINT TELESCOPIC MEDIUM** (100918)



3-POINT FLAP DOWN CAT 2/3 (100937)





# **Grapple assortment**



# **GRAPPLE G2**

FARMA's cost effective grapple series, Generation 2, has become very popular. The claw geometry makes it easier to fill the grapple, and it "digs" into the timber better. The grapple range is available in sizes 0.12, 0.16, 0.20 and 0.24.

Technical data	<b>0,12 m</b> <sup>2</sup>	<b>0,16 m</b> <sup>2</sup>	<b>0,20 m</b> <sup>2</sup>	<b>0,24 m</b> <sup>2</sup>
Weight	53 kg	75 kg	115 kg	145 kg
Working pressure	17,5 MPa	17,5 MPa	17,5 MPa	21,0 MPa
Gripping force arms tip-tip	6,3 kN	7,0 kN	8,25 kN	11,0 kN
Max. load	1000 kg	1000 kg	1500 kg	2000 kg
Size, rotator mount	50	50	<u>50</u> /60*	50/ <u>60</u> *

\*This model is supplied with a replaceable rotator mount. Specify the desired mount when ordering. The underlined figure is the standard option.



## **GRAPPLE BUCKET G2**

The Generation 2 series includes our grapple bucket, which is produced in two sizes; 160 litres and 200 litres, depending on the area of application and working method. The existing grapple on the crane is replaced with the grapple bucket. Clearing ditches and loading/unloading different materials such as soil, gravel etc. are just some of the areas of application.

160 l	200 l
172 kg	182 kg
50/ <u>60</u> *	50/ <u>60</u> *
19.0 MPa	19.0 MPa
9.0 kN	9.0 kN
160 I	200
1000 kg	1000 kg
	172 kg 50/ <u>60</u> * 19.0 MPa 9.0 kN 160 l

\* This model is supplied with a replaceable rotator mount. Specify the desired mount when ordering. The underlined figure is the standard option.



## **ENERGY BRUSH GRAPPLE G2**

As part of the G2 series, FARMA has developed an energy brush grapple to facilitate the movement of brushwood during forestry work. Less tendency for branches and tops to get stuck in the grapple. The energy brush grapple is available in two models; 0.16 and 0.20. The existing grapple on the crane is replaced with the energy brush grapple.

For more information, please visit www.forsmw.com.

Technical data	0,12 m <sup>2</sup>	0,16 m <sup>2</sup>	<b>0,20</b> m <sup>2</sup>
Weight	57 kg	85 kg	125 kg
Working pressure	17.5 MPa	17.5 MPa	19.0 MPa
Gripping force arms tip-tip	6,0 kN	6,5 kN	9.0 kN
Max. load	1000 kg	1000 kg	1500 kg
Size, rotator mount	50	50	<u>50</u> /60*

\*This model is supplied with a replaceable rotator mount. Specify the desired mount when ordering. The underlined figure is the standard option.



## **INSERT BUCKET G2**

FARMA's insert buckets have been a fantastic success. The insert buckets are an easy and cost-effective way to supplement the grapple for grit loading, ditch clearing etc. The insert buckets are easy to fit to the crane's existing FARMA G2 grapple. Insert buckets are available for G2 grapple models 0.12, 0.16 and 0.20.

Technical data	<b>0,12</b> m <sup>2</sup>	<b>0,16 m</b> <sup>2</sup>	<b>0,20 m</b> <sup>2</sup>
Weight	35 kg	40 kg	50 kg
Working Pressure	17.5 MPa	17.5 MPa	19.0 MPa
Gripping force arms tip-tip	6.3 kN	6.8 kN	9.0 kN
Volume	581	80	110 I
Max. load	500 kg	500 kg	750 kg

# Accessories



#### **CRANE BALE GRAPPLE**

FARMA crane bale grapple is made for lifting and loading wrapped or unwrapped round bales. It is designed to handle 1 to 1.5 m sized round bales. Hydraulically connected clamps firmly hold the bale in place to prevent damaging the plastic bale cover. The grapple also allows narrower stacking. The bale grapple has a large opening width of 3 175 mm. It is a light-weight grapple – only 130 kg. It is compatible with FARMA C 5.3 to C 8.5 models.



#### **FLAIL HEAD**

Get the most out of your excavator with the FARMA FH 100, which is made for the forestry roadsides and ditches, public and private parks maintenance for keeping the roadsides clean and tidy. The chains are used for mowing grass and bushes in robust conditions. For safety reasons there are protective chains in front of the cutting opening to stop shreds. The FH 100 is taking up very little space in your work place but gives a great deal of flexibility.



#### **CRANE LIGHTING**

FARMA crane lighting is available as an optional extra. The crane lighting consists of two LED floodlights, mounted on each side of the boom. The lighting can be retrofitted, but it is economically beneficial to order these directly when purchasing the crane.



## **DAMPER SLEWING/LIFTING**

Do you want to drive smoother and with that more comfortable? Want to save on machine design and narrow down the maintenance? In this case you should consider a damper designed for slewing, lifting and lowering. The design of the damper receives oil via the accumulator and dampens rapid slewing and boom movements. The degree of damping is easily adjustable.



#### **GRAPPLE DAMPER**

The FARMA grapple damper facilitates grapple work. It stabilizes the grapple's swing. The grapple damper is mounted between crane and rotator. The grapple damper has increased in popularity as it assists when working with the grapple loader. Can be ordered as an optional extra. Standard on larger cranes.



#### **INSERT SIDES**

How to make your FARMA much more versatile? Our insert sides are simple to fit using the FARMA crane and it's adding more use to your FARMA trailer. Insert body is perfect for transporting brushwood and branches as other light weight materials.

Side panels are easily mounted over the posts and bolted firmly together with the bottom plate. The insert sides are made in 3 mm steel.



### **FLOATING POSITION**

When a crane is used mounted on the tractor instead of the trailer, the functions of the floating position most be mounted on the crane if the grapple is to be laid on the following trailer. This is not included as standard, but must be ordered as an option. All valves can be supplemented with floating position functions.



#### **FLOW SHARING VALVE**

The flow sharing valve directs the oil to where it is needed instead of routing it the "easiest way" as in less advanced valves. The valve, which is controlled by a mini joystick, provides proportional control for all functions. It has extensive setting options so it can be adapted to the driver. The valve also has a load detection function.

# Accessories



#### **HYDRAULIC SERVO**

The FARMA range also offers a hydraulic servo system (a socalled low-pressure servo) that is controlled by joysticks as in the electrical proportional controller. In both cases, the valves are mounted on the crane, and the difference between the systems is that the electrically-controlled proportional system is managed via electrical cables, while control of the hydraulic servo system is managed through a low pressure system via hoses. The hydraulic servo system requires more installation work in the cab.



#### ELECTRICAL PROPORTIONAL CONTROLLER WITH JOYSTICK

Tired of hydraulic hoses that need to be transferred to the tractor? If so, then the electrical proportional controller is for you. Contact between the trailer and tractor is via an electrical cable and one hydraulic hose for the pressure and return from the tractor. The crane is controlled via two joysticks installed in the cab. Since the valves are proportionally controlled, operation is performed via sensitivity buttons, unlike electrically controlled on/off valves.



## ELECTRICAL PROPORTIONAL STEERING WITH REMOTE CONTROL

Tired of hydraulic hoses that need to be transferred to the tractor? If so, then the electrical proportional controller with remote control is for you. Contact between the trailer and tractor is via an electrical cable and one hydraulic hose for the pressure and return from the tractor. No other contact is needed between the controller and the trailer. The remote control is available with paddles or joysticks. The image shows remote control with joysticks.





#### 2+3-LEVER/2+4-LEVER

At first sight, the valve assemblies look the same, but they differ in weight and the number of levers. 2 + 3-lever is fully cast and is 10 kilograms lighter than the 2 + 4-lever, which is assembled from different components making it heavier. On the 2 + 3-lever model, the support legs and grapple are controlled by the three centre levers. The 2 + 4-lever model also manages the extension, so consequently there are four levers in the middle. The image shows the 2 + 4-lever model.



#### **ELECTRICAL ON/OFF CONTROLLER**

Our electrical on/off controller is our most popular controller, primarily due to its low weight and price. The controller consists of two main parts. The part of the controller that is controlled by the electrical functions is mounted in a protective box on the crane. The other part is a 4-function controller with electrical buttons, which is located in the driver's cab. The functions that are controlled by the electrical on/off controller are support legs, grapple and any extension.



#### **MULTI-LEVER CONTROLLERS**

FARMA offers a number of multi-lever options. The valve assembly for 5, 6 and 7 lever models is a low-weight fully cast block, while the 8 lever model is assembled from sections and is heavier. Five functions can be used if the crane does not have an extension. If it does, six functions are required. Add support legs, and seven functions are required. If the crane is equipped with an extension, eight functions are required. The image shows a 7 lever valve assembly.



Did you know that we offer the markets most extensive range of controls, from beginner to professional. Everything from the simplest to the most advanced.

You choose - we deliver!

# AS FORS MW – Quality at the right price!

Fors MW was established in Estonia in 1992 and is today one of Europe's leading manufacturers of forestry, agricultural and contractor machinery. We sell our market leading products to countries all over the world, but focus mainly on the European market. Our sales channels to our customers are primarily via independent dealers.

Our business concept is simple and clear. We develop and manufacture quality machines for agriculture, forestry and contract work worldwide at a price the customer is prepared to pay. This places heavy demands on us as a producer. It entails maintaining quality and competitive prices, which means continuous development work and meeting the market's expectations of us as a world leader in our field.

We have a wide customer base, ranging from small to large companies and in the most diverse

Manufacturer

sectors. The nature of their work varies and is performed in different conditions. But they all have one thing in common; the need for reliable products to keep operations running. By listening and taking note of market needs, we are building the market of the future.



The Fors MW factory is designed for short series production. It is located in Saue, 15 km from Tallinn, Estonia. The production area covers 40,000 m<sup>2</sup>, 18,000 m<sup>2</sup> of which is undercover.

**Dealer:** 

Today, Fors MW is a global company. Our technical expertise, extensive purchasing network and the market's most extensive range, together with a continuous ongoing dialogue with our users, have given us opportunities and a product range that few others can match.

At Fors MW, we always aim to be better. This entails constant questioning and continual improvement.

A purchase from us must provide added value. We want you to feel assured and satisfied with the choice you have made. We place the highest quality demands on both raw materials and finished components. Production takes place in modern facilities that meet current and future standards for the protection of the environment and employees.

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