# NAARVA for S23 or S23C



#### Features

- Automatic delimbing
- Enables continuous delimbing when grapple close-function is pressed

### Suitable for

• Naarva S23C or S23 stroke harvester

### Automatic delimbing for S23 or S23C harvester

Automatic control makes it easier to operate Naarva S23 and S23C harvesting heads. Driver does not have to manually change the direction of delimbing. Sensor detects when stroke movement is in the far end. It commands a directional value to change the direction of delimbing movement. Driver can delimb the trunk to desired length by just pressing grapple close-function. When the desired length is reached, driver uses grapple open-function to cut the tree.

Sensors and the directional valve for automatic control are battery powered. Control package includes a charger and two batteries. Driver can always disconnect the battery and operate S23 or S23C manually if required. Control system does not affect normal operation in any way.

Product	Naarva automatic drive with relay
Contents	Control system in protective casing, directional valve, two batteries and a charger, inverter for charger, required sensors
Control system	Relay and a directional valve

MANUFACTURER



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# NAARVA with display



#### Features

- Automatic delimbing and cutting to length by counting delimbing strokes
- You can set desired amount of strokes before cutting
- Tablet 7" display via Bluetooth connection

### Suitable for

• Naarva S23C or S23 stroke harvester

### Wireless control system for harvesting head

Automatic control system is compatible with Naarva S23C or S23 harvesting head.

The control system is located in the harvesting head. Inside a steel casing is a logic control system, a battery and a Bluetooth transmitter.

Tablet in the cabin is just a display for the device. You can adjust the amount of desired delimbing movements with the tablet on a simple and user-friendly interface.



## NAARVA TECHNICAL SPECIFICATIONS

Product	Naarva automatic control with display for S23 or S23C
Cutting length	You can set the amount of delimbing strokes before cutting
Display	Lenovo 7″ tablet
Contents	Control system in protective casing, display, two batteries and a charger, inverter for charger, required sensors, directional valve
Control system	Crouzet Millenium 3 programmable logic control

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### NAARVA Bluetooth measuring device



#### Features

- Length measuring, automatic delimbing and cutting to length
- You can preset four different lengths
- Tablet 7" display via Bluetooth connection

### Suitable for

• Naarva S23C or S23 stroke harvester

### Wireless cut-to-length harvesting head

Bluetooth measuring device is compatible with Naarva S23C or S23 harvesting head. Naarva S23C is a simple and lightweight harvesting head for tractors and 5-8 ton excavators.

The measuring device itself is located in the harvesting head. Inside a steel casing is a logic control system, a battery and a Bluetooth transmitter.

Tablet or a smart phone in the cabin is just a display for the device. You can adjust the cutting length with the tablet on a simple and user-friendly interface.



Product	Naarva Bluetooth measuring device
Length measuring	Pulse encoder in the measuring wheel
Display	7" tablet
Contents	Control system in protective casing, measuring wheel, display, two batteries and a charger, inverter for charger, required sensors
Control system	Crouzet Millenium 3 programmable logic control





ILMOITETUT ARVOT OVAT OHJEELLISIA. VALMISTAJA PIDÄTTÄÄ OIKEUDEN MUUTOKSIIN. 01/2015

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# NAARVA radio control



#### Features

• Wireless control for Naarva felling head or stroke harvester

#### Suitable for

• Naarva K20, K25, K32, E20, E25, S25, S25R models

### Get rid of cables with radio control

Radio package replaces the cable control in Naarva felling head or stroke harvester. Transmitter has 4 on/off buttons. Holder for the transmitter is included in the delivery.

Product	Naarva radio control
Contents	Receiver in protective casing, two batteries and a charger, transmitter with 4 buttons, inverter for charger
Voltage	12 V 12 Ah battery

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# radio control with mini buttons



#### Features

- Wireless control for Naarva felling head or stroke harvester
- Mini buttons in rubber holder that can be fit to a control lever

#### Suitable for

• Naarva K20, K25, K32, E20, E25, S25, S25R models

### Get rid of cables with radio control

Radio package replaces the cable control in Naarva felling head or stroke harvester. Transmitter has 4 on/off buttons. Mini buttons are especially suitable for forwarders. Mini buttons can be fit to control levers for ergonomical use.



Product	Naarva radio control with mini buttons
Contents	Receiver in protective casing, two batteries and a charger, transmitter with 4 mini buttons and a separate transmitter, inverter for charger
Voltage	12 V, 12 Ah battery

### Press buttons in aluminum casing

Optional buttons for radio control. Instead of mini buttons you can have press buttons in aluminum casing.



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