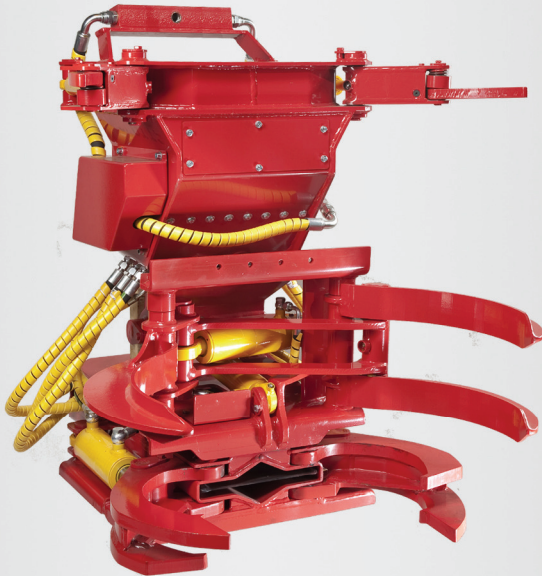


NAARVA**E32**

An accumulating energy wood head for harvesters and 10-20 ton excavators



Properties

- Stable handling even with large and high bundles
- Efficient guillotine cutting, 28-32 cm
- Suitable for various base machines and steering systems
- Radio control option
- Stump treatment as an accessory

Suitable for

- Energy wood harvesting by accumulation
- Small wood harvesting in bundles
- Clearing of electricity lines, roadsides and field edges



Productivity for professionals

The modular structure of the Naarva grapple and the various frame, guillotine, and accumulating grip size options facilitate customisation based on the base machine and the intended purpose. Naarva E32 is the largest and most efficient accumulating Naarva.

Hydraulic system and controls of Naarva E32 can be easily customised to be compatible with the control system of most base machines. The Naarva control system is also available as an option. Rotator can also be controlled by a valve in the grapple. Both guillotine options can be equipped with an accessory stump treatment equipment

Accumulating gripper options

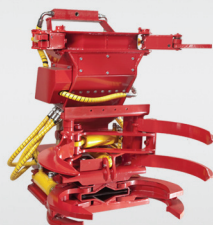
EXTRA HIGH - FOR LONGER STEMS

- Stable handling with long stems and bundles
- Better suitability for sliding booms and knuckle boom cranes.
- Opening 90 cm



BASIC - LOW STRUCTURE AND LARGE CAPACITY

- Wide accumulating grip for larger tree groups or bushes
- Low structure is suitable for parallel cranes
- Opening 90 cm



Guillotine options

ROBUST - MAXIMUM POWER FOR CUTTING

- Traditional Naarva-guillotine
- Two-phase cutting
 1. Grippers close around the tree
 2. Cutting cylinder pushes the blade through the wood
- Max. cutting \varnothing 32 cm



FAST - MORE PRODUCTIVITY

- New innovative Naarva-guillotine
- Cutting with one movement
 1. Grippers close around the tree and force the blade through the wood
- Max. cutting \varnothing 28 cm



A new product!

	Robust guillotine, basic accumulating gripper	Robust guillotine, extra high accumulating gripper	Fast guillotine, basic accumulating gripper	Fast guillotine, extra high accumulating gripper
Production code	E32	EX32	E28	EX28
Weight	560 kg	600 kg	560 kg	600 kg
Height in felling position	122 cm	165 cm	126 cm	169 cm
Opening of loading grapple/ accumulating grippers	90 cm / 90 cm	90 cm / 90 cm	90 cm / 90 cm	90 cm / 90 cm
Cutting diameter*, force and time**	Max cutting: Ø32 cm Cutting force: 140 kN Cutting time: 1,7-2,2 s		Max cutting: Ø28 cm Cutting force: 60 kN Cutting time: 0,8 s	
Required pressure	170-200 bar			
Required oil flow	80-160 l/min			
Warranty	12 months or 1000 hours			
Control system	Base machines own controls or Naarva control system			
Voltage	12V or 24V			

All provided values are approximations. The manufacturer reserves the right to make changes in the products. 04/2011.

* The max. cutting diameter is approx. 30% lower for hard wood (such as oak and beech). ** With oil flow 160 l/min

Accessories

- Radio control with various transmitter options
- Hydraulic system for one-way harvester hydraulics. Hydraulic system for two-way hydraulics is also available.
- Extension boom for 10-20 ton excavators, also hydraulic extension boom with 1,5 m stroke
- Quick coupling set
- Rotator FR21 / BBR15HD
- Suitable link for rotator
- Hose sets
- Spare part packages
 - Basic wear and tear part package including rubber dampers, coils, valve connectors, seal kits for cylinders, accumulating gripper springs.
 - Wide spare part package including basic package and spare parts for valves
 - Pro package including wide spare part package and spare cylinders

For more information: www.naarva.fi

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