

SP 561 LF Next Generation

- Versatile & agile



- 1 More productive and more agile** with faster multi-tree handling and less protruding multi-tree arms.
- 2 Reduced fuel consumption** and increased productivity with new generation of hydraulic valve.
- 3 More efficient** with the new Optiflow roller motors and the new SC100S saw unit, which comes with a 32 cc saw motor as standard.
- 4 Easier to service** with hydraulic test points gathered together and a new, improved tilt block.
- 5 Kinder to the environment** with a redesigned chassis for reduced bark damage and bark accumulation in the measuring wheel area.
- 6 More reliable** with a new cover to protect the hoses at the lower limbing knife cylinders.

SP 561 LF - Next Generation

The SP 561 LF NG is the next generation of our agile, highly productive all-around harvester head, developed in line with SP's low-friction principle for maximum production and minimum friction.

The SP 561 LF NG is designed for a variety of tasks and offers high performance for both light thinning and lighter final felling. Its extremely compact dimensions, combined with perfect limbing down to 30 mm, allow light thinning to be carried out quickly, efficiently, and to the highest quality standards.

When harvesting larger-diameter trees, LogHold and proportionally angled feed rollers contribute to impressive stem holding and high production. The result is a head that combines a compact design with a wide range of applications and great versatility.

The SP 561 LF NG reaches its absolute peak capacity with stems with a diameter at breast height (DBH) of 12-43 cm, but thanks to the LF principle, larger-diameter stems can also be handled efficiently.



990 kg

Weight



67 cm

Cutting diameter



12-43 cm

Rec. stem diameter (DBH)
for maximum productivity



23-28 MPa

Recommended
working pressure

Sjp

— ALWAYS AHEAD —

Specifications

Hydraulics

	Metric
Min. oil flow:	195 l/min
Rec. working pressure:	23–25 MPa (625 cc roller motor) 23–28 MPa (514+560 cc roller motor)

Feeding

Proportional roller clamping pressure relative to stem diameter, individually adjustable for each tree species for optimal performance.

Roller motors:	514, 560, or 625 cc
Max. roller opening:	500 mm
Feed speed:	Roller motor 514 cc = 6.1 m/s Roller motor 560 cc = 5.6 m/s Roller motor 625 cc = 5.0 m/s
Feeding force:	25 kN
Proportional pressure:	Yes

Cutting

The SuperCut 100S is an extremely powerful unit with integrated chain lubrication and hydraulic chain tensioning. Together with SP's QuickCut system, it optimizes cutting times and minimizes the risk of splitting.

Standard cutting diameter:	670 mm
Cutting diameter option EC saw unit housing:	750 mm
Chain speed:	40 m/s
Saw motor:	32 cc
Saw unit:	SuperCut 100S
QuickCut:	Yes, in case of Dasa control system

Recommendations

Base machines

The SP 561 LF NG can be mounted on a wide range of conventional forest machines and excavators with excellent results. To ensure proper function, consult your SP dealer or SP personnel.

Harvesting

Recommended stem diameter (DBH) for maximum productivity*: 120–430 mm

* Diameter at breast height, measured 1.3 m up the stem.

We reserve the right to alter specifications and designs. The harvester heads presented may have some extra equipment. All specified dimensions/values are approximate and refer to standard equipment.

Limbing

Proportional limbing knife pressure geared to the stem diameter minimizes friction and maximizes production. Individual settings for upper/lower knives and different tree species for optimal performance.

Moving knives:	5 incl. top knife
Fixed knives:	1
Limbing diameter tip-to-tip:	430 mm
Min. branch diameter:	30 mm
Proportional pressure:	Yes
LogHold:	Yes
Separate knife control:	Yes

Weight and dimensions

With its compact dimensions and very low weight relative to its high capacity, the SP 561 NG is ideally suited for a variety of harvesting operations.

Width closed:	900 mm
Width open:	1500 mm
Height:	1500 mm
Weight:	980 kg

Prepared for FDM to ensure the best measurement and timber value.

FDM (floating diameter measurement) is a technological breakthrough that sets a new standard for diameter measurement in forestry. The FDM solution delivers the same high measurement precision regardless of feed speed, allowing you to work both faster and in a way that is kinder to the environment without compromising on the results.