



## *Compact and heavy duty all-rounder*

**Weight: 1750 kg**  
**Cutting diameter: 75 cm**  
**Ideal tree size: 20-56cm**  
**Recommended working pressure: 26-30 MPa**



The SP 761 LF is a compact, heavy duty and high performance harvester head. It is designed according to SP's Low Friction principle for minimum friction and maximum productivity. The SP 761 LF is suited for working on both large wheel based harvesters as well as tracked harvesters and excavator carriers. The high capacity in combination with the compact, protected and heavy duty design makes the SP 761 LF able to handle a variety of different demanding harvesting applications with great performance. Regardless if the task at hand is in large diameter soft wood, crooked and limby hardwood or dense mixed wood stands you can count on the SP 761 LF to get the job done. Equipped with the specially designed processing knives and a topping saw the SP 761 LF becomes a dedicated processing head with great performance processing decked wood out of a pile. The SP 761 LF truly is a compact and heavy duty all-rounder. The SP 761 LF reaches

top performance in stands with a diameter of 20 to 56 cm, but is thanks to the LF principle also capable of efficiently working larger tree sizes. SP 761 LF can be used with virtually all control systems on the market. Through a simple adaptation the SP 761 LF can be used together with the following systems: Dasa280, Dasa380, Dasa4, Dasa4 Compact, Dasa Forester, John Deere Timbermatic, Motomit IT, Motomit PC, Komatsu MAXI, Ponsse Opti, Technion, Techno Matic, TOC-MD.

### **Knife Design.**

The delimbing knives are cast in high-strength steel and equipped with long cutting edges. This means that the limbs are cut off instead of being broken off. This minimizes friction during delimbing and allows the trunk to be fed through easily.

### **Proportionally angled feeder rollers.**

This smart solution means that when the harvester head is fully open, i.e. at maximum tree size, the feed rollers are at their greatest angle and provide maximum carrying force against the trunk. As the feed rollers carry the trunk, the pressure on the delimbing knives can be reduced, which means less friction and the harvester head can feed the trunk through quickly and easily.

## Proportional pressure.

Proportional pressure ensures that the harvester head automatically works at the correct pressure in relation to tree diameter. This means that the friction between the trunk and harvester head is minimized and that the harvester head runs at peak efficiency. Individual settings per tree species maximise production further.

## LogHold.

LogHold is an evolution of proportional pressure and means that the delimbing knife pressure against the trunk can be reduced, without the risk of the trunk being dropped. If the trunk is about to fall, LogHold regulates the knife pressure so that the trunk is held in the right position. The amount by which the diameter may increase before LogHold takes action is set in the control system. No additional sensors are required.

### Hydraulics

Min. pump capacity	350 l/min
Rec. working pressure	30 MPa

### Feeding

Roller motors	934, 1043 ou 1248 cc
Max. opening	700 mm
Feed speed	0-6 m/s
Feeding force	46 kN
Proportional pressure	Yes

### Cutting

Cutting diameter	750 mm
Chain speed	40 m/s
Saw motor	32 cc
Saw unit	SuperCut 100
QuickCut	Yes

### Tow sawing (option)

Cutting diameter	380 mm
Chain speed	40 m/s
Saw motor	20 cc
Saw unit	JPS

### Delimbing

Movable knives	3
Fixed knives	2
Delimbing diameter tip to tip	510 mm
Delimbing diameter incl. lower knife	550 mm
Min. delimbing diameter	40 mm
Proportional pressure	Yes
LogHold	Yes

### Weight and dimensions

Width closed	1400 mm
Width open	1920 mm
Height	1850 mm
Weight	1750 kg
Height with top saw (option)	2030 mm
Weight with top saw (option)	1880 kg

## Additional equipment.

- **Color marking:** Used to optimize forwarding work when the assortments are difficult to distinguish by sight alone..
- **Top saw:** Simplifies the harvesting of hardwood forests with many crotches and the harvesting of stands with many top breaks.
- **Find end function:** With the aid of a sensor mounted in the saw unit housing, the head automatically locates the end of the stem at the push of a button.
- **Roller motors:** Different size roller motors are available to optimize the head's performance depending on working conditions and base machine size.
- **Light for saw unit housing:** An LED lamp in the saw unit housing offers additional illumination of the work area.
- **Eucalyptus kit:** Debarking kit for eucalyptus trees.
- **Feed rollers:** Several different feed roller models and variants are available to suit different conditions and needs.
- **Measuring system integration:** SP harvester heads can be used together with essentially any measuring system on the market. This means lower investment costs and a quicker startup as the operator need not learn a new system..
- **Dasa5 complete measuring system:** A complete measuring system is required if mounting the head on, say, an excavator or a tracked harvester.