

LX-Large

Longer cycles. Higher blocks.

Increased area

Increased area allows tighter spacing without sacrificing speed.

Modified tips

Modified tips to allow servicing without affecting the gullet.

Top-grade materials

For durability and wear resistance.

Optimized geometry

Optimized geometry to maintain feed during high cuts.

FEM-based tooth

Improves load distribution

General Strenghts

Suitable for large logs and timber volumes

The LX-L was developed to enable increased cutting speeds while sawing larger logs without reducing tip engagement. As part of the Langshyttan LX-series, it combines LX technology with an optimised tooth shape to create greater chip space. This makes it suitable for sawmills processing large logs and timber volumes, where maintaining performance over extended period is essential.

Key Differentiators

Maintaing feed during high cuts, allowing tighter spacing

The geometry is optimized to maintain feed during high cuts and allows tighter spacing, preserving tip engagement without over-filling the gullet. Especially important for carousel lines, aiding with stability on lower cuts while sacrificing less speed during high cuts.

Proven Results

Higher quality, longer cycles, measurable gains

LX-Large widens the operating window, allowing preferred feed rates to be maintained across a broader range of log sizes. The performance drop-off at large diameters is delayed and less severe, allowing customers to process more volume in the same amount of time. Documented results show up to +15 % higher tool productivity and longer productive cycles compared with previous standard blades.

Key takeaways



Higher productivity per shift



Lower maintenance and replacement costs



Safer workplace



Improved end-product quality



Fewer tool changes

Tool productivity

Overall productivity gains

+6%

Productivity gains on high cuts

+15%

CASE STUDY

Shifting from Langshyttan 45-pitch to LX-L 45-pitch gave our customer a clear advantage from 220 mm cuts onwards. It allowed the customer to maintain their preferred bite and proper chip generation while sawing large logs, where the gullet of the regular bands filled, forcing them to reduce feed speeds to combat lateral movement and leakage, decreasing yield, and combating snaking. The LX-Large blades kept performing; their gullet design handled larger volumes while maintaining stability, without forcing the customer to change blades to increase pitch, which would have sacrificed stability during the initial lower cuts, unsorted sawing or required handling multiple sets and planed-and-sorted production. LX-Large is designed to expand its performance range for flexible sawing.