

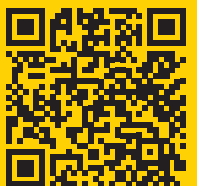
Skidsteer Laser Grader



SKIDSTEER LASER GRADER

BUILT FOR PRECISION

See it in
ACTION





Taking ground work to a whole new level

The HLA Skidsteer Laser Grader is built for precision, making it the go-to tool for flawless concrete flatwork preparation. Accurate to within 1/4 inch of target grade *(with compatible auto-grade controller)*, it easily delivers results that stand out.

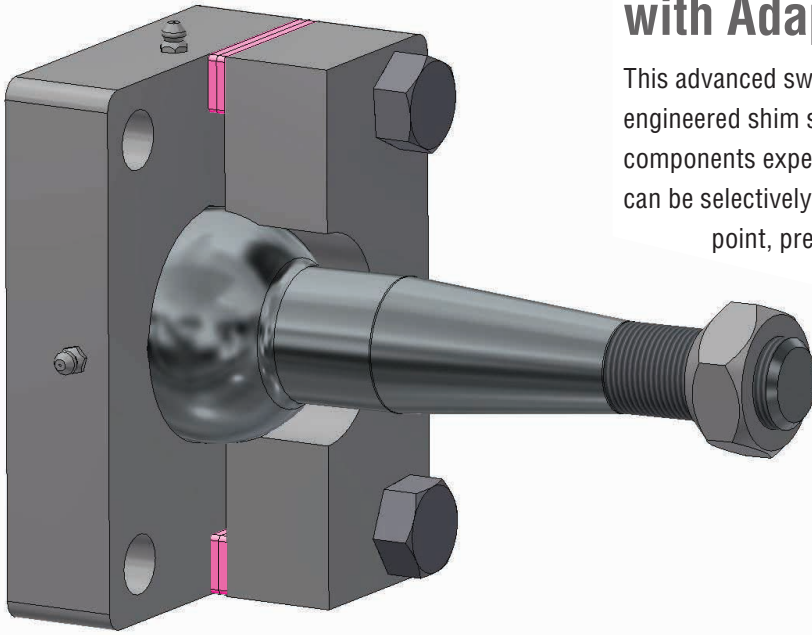
Independent lift cylinders on each side ensures precise control, while tie rods allow for fine-tuned blade pitch adjustments. Its symmetrical mouldboard and rigid box beam construction offer strength and stability, complemented by a durable, adjustable wear bar and replaceable end plates.

What truly sets HLA apart is its innovative axle design, featuring tapered roller bearings, an oscillation pivot, vertical kingpin, and a robust wheel hub assembly—eliminating the wobble-prone pin and bushing setups seen elsewhere.



Precision Swivel Ball Joint with Adaptive Shim System

This advanced swivel ball joint design incorporates a precision-engineered shim system, allowing for incremental adjustment as components experience wear. As the joint loosens over time, shims can be selectively removed to maintain a consistently tight swivel point, preserving optimal performance and responsiveness.



When wear progresses to the point where no additional shims can be removed, the ball itself can be easily replaced—and the shims reinstalled—restoring the joint to original OEM specifications. This intelligent design completely eliminates the traditional wear and replacement issues associated with pins and bushings, offering a longer-lasting, serviceable solution with exceptional mechanical integrity.



Axle Design

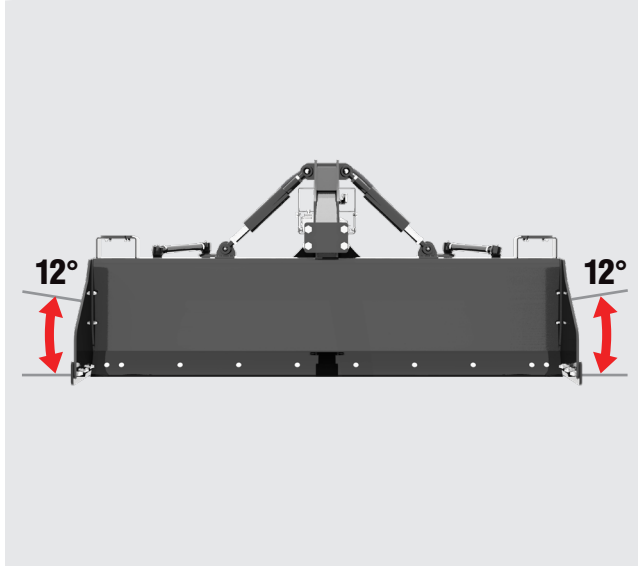
Tapered roller bearings, an oscillation pivot, vertical kingpin, and a robust wheel hub assemblies keep the pneumatic swivel wheels tight improving grading accuracy.



Grade Control

Danfoss ratio-metric valve is standard. It can be controlled through any modern grade control platform.

Controller and wire harnesses not included.



Independent Lift Cylinders

Dual independent lift cylinders work with the valve to automatically grade or crown within 1/4" of target (*with compatible auto-grade controller*).

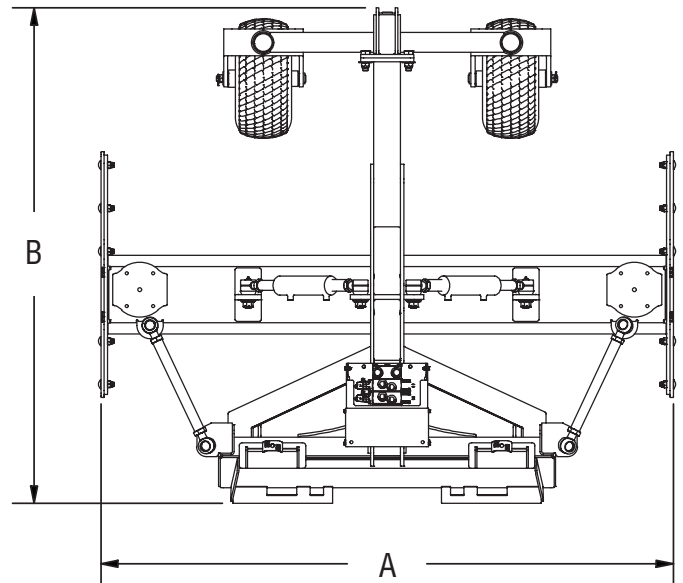
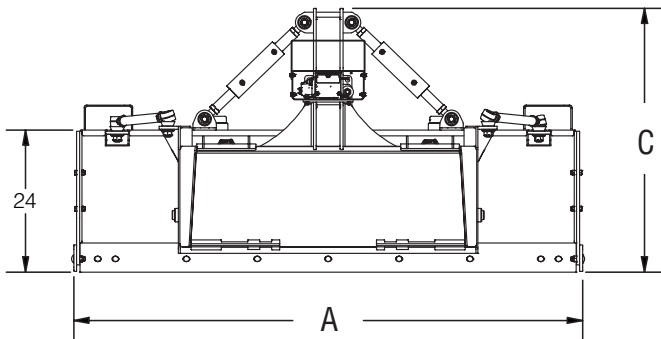
Features

- Push-pull design for grading in forward or reverse
- Pneumatic swivel wheels with tapered roller bearings on king pins, on oscillating front axle
- Tapered roller bearings on axle oscillation pivot
- Removable shims on main oscillation pivot to keep wear joint tight
- Two 2-1/2" x 6" cylinders provide cross-slope operation
- Reversible cutting edges
- Universal laser mast mount
- Levels consistently within 1/4" of target grade *(with compatible auto-grade controller)*
- Control valve included, does not include laser or grade control electronics
- Danfoss ratio-metric valve is standard

Specifications	SLG84	SLG96
Cylinders (x2)	2-1/2" x 6"	2-1/2" x 6"
Cutting Edges (reversible, replaceable)	1/2" x 6"	1/2" x 6"
A - Overall Width	86-1/8"	98-1/8"
B - Overall Length	74-1/2"	74-1/2"
C - Overall Height (without masts)	44-5/8"	44-5/8"
Weight	1,610 lbs.	2,100 lbs.



Laser grading system not included.



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