

A CAT® CONNECT GRADE TECHNOLOGY

Cat® Grade Control Slope Assist for Track-Type Tractors



Cat® Grade Control Slope Assist helps you reach target slope fast by automatically maintaining the dozer blade's established blade angles. In-cab guidance and auto blade control help operators work more productively and achieve consistent grades in fewer passes, with greater accuracy and less effort.

PRODUCTIVITY / EFFICIENCY

- **Boost productivity** – automatically maintains blade mainfall (fore/aft) and blade slope angles to help improve quality and consistency for operators at all experience levels.
- **Work confidently, without guesswork** – in-cab display with real-time mainfall/slope indicators provide guidance and progress at a glance.
- **Work efficiently every pass** – move material to desired slope specification; save time, rework, labor, fuel, and cost-per-yard of material moved.
- **Get more done with less effort** – automated blade movements reduce operator inputs up to 80%.
- **Save on start-up costs** – grade technology is built-in; no 3D infrastructure, base station, design files or data radios are required to maintain a targeted slope.
- **Increase performance and versatility** – add AccuGrade™ which provides visual guidance and automatic control for better surface quality at higher speeds—from first to last pass.

INTEGRATION

- **Built-in reliability** – integrated components are protected from damage; ensures long life, reliable control, and accurate results.
- **Easy operation** – integrated machine display simplifies viewing and navigation; joystick buttons allow quick adjustments while keeping hands on the controls.
- **Optimized performance** – advanced machine and grade technologies work as a system; fast-response sensors communicate smart blade adjustments to maximize productivity.
- **World-class support** – your Cat dealer and SITECH® technology partner can help you get set up and working efficiently.

AVAILABILITY

D3K2 | D4K2 | D5K2 | D6N
Tier 4 Final
Late 2015

Available from the factory on a growing line of Cat dozer models. Retrofit kits, complete with a full ARO, are available on small dozers ordered in 2015. Check with your Cat dealer for model specifics and availability.

APPLICATIONS

- Building pads
- Slopes/embankments
- Leveling/grading
- Flat planes

ACCURACY

- Within 1%* mainfall/blade slope

*Depending on calibration, material, application, and machine.



MODES AND FEATURES

Available dozing modes and features optimize the machine and operator interface for the application, increasing productivity and efficiency—resulting in smooth grades, in less time, and with less effort.

BASIC MODE

- **MANUAL Control** – provides slope guidance while operator controls the blade.
- **AUTO Control** – maintains last mainfall and blade slope values input by operator.
 - **Mainfall** – automates blade **LIFT** to maintain desired slope.
 - **Blade Slope** – automates blade **TILT** to maintain desired slope.

ADVANCED MODE

- Combines basic mode capabilities with automated button controls to simplify operation.
 - **Recall Value** – adjusts the blade to the programmed mainfall and slope at the beginning of a pass when auto is pressed.
 - **Swap Slope** – swaps the direction of the recall value.
 - **Match Slope** – matches the highlighted recall value to the actual slope value.
 - **Increment/Decrement** – in auto—adjusts the actual slope value above the highlighted recall value using right joystick buttons.

FEATURES

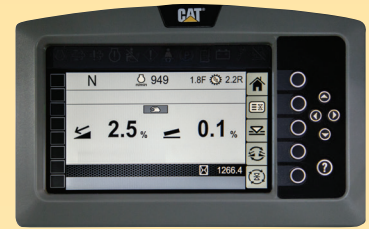
- **HELP Feature** – assists the operator with on-board HELP at the press of a button. Provides detailed instructions for using Basic and Advanced modes, entering mainfall and blade slope values, and operating in both manual and auto.

EQUIPMENT MONITORING

- **Automatically track** data about machine performance, such as hours, fuel usage, idle time and event codes via LINK technologies using online VisionLink® user interface. Valuable data can help you monitor operator performance, measure jobsite efficiency, and manage costs.



DISPLAY MODES



BASIC MODE



ADVANCED MODE



CAT CONNECT | PRODUCTIVITY

BUILT FOR IT.™

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