

# SMART GRADER BLADE



Intuitive Operation with Attachment Control Mode



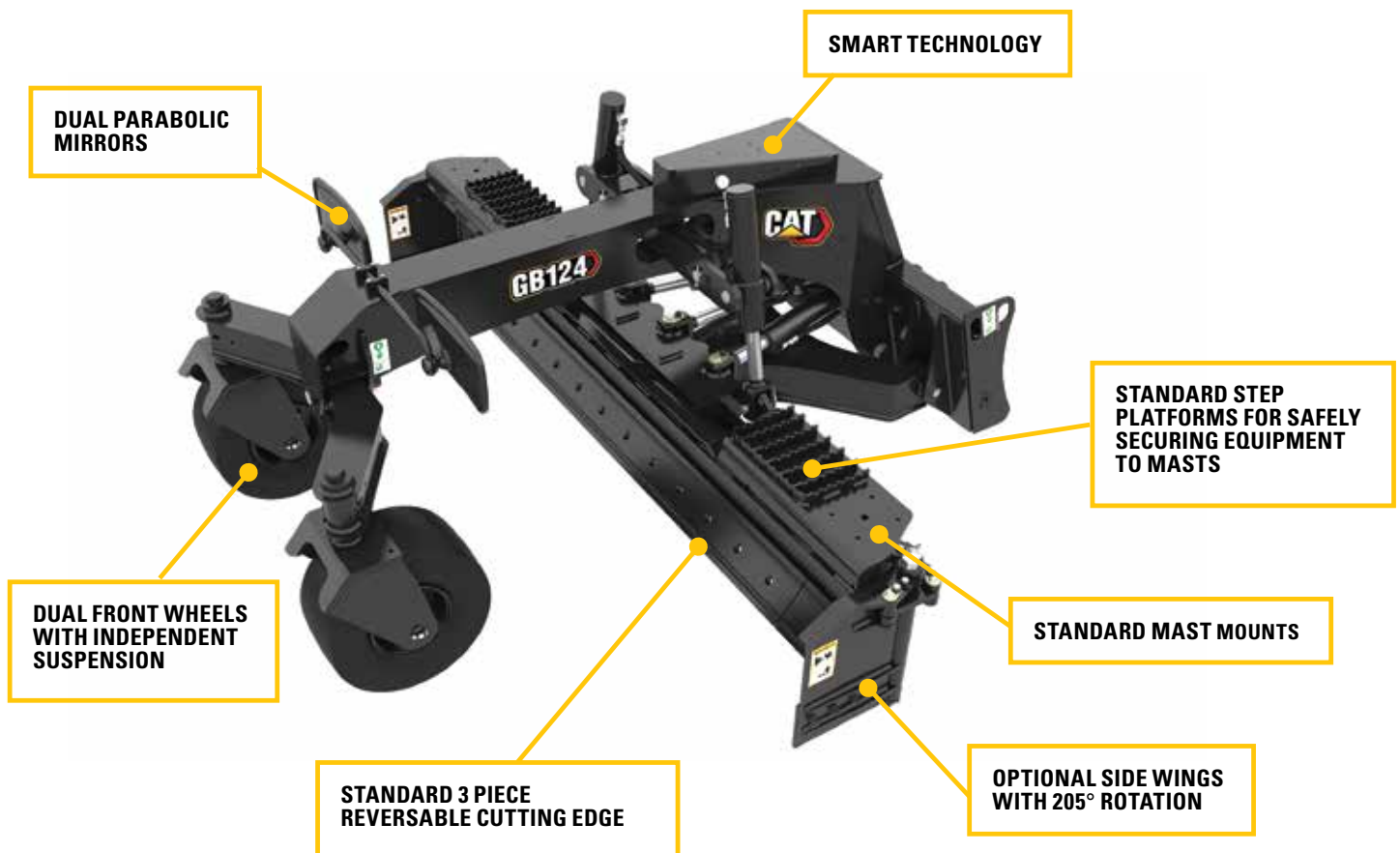
Integrated Display



Blade Angle Independent Optional Angle Wings

## Versatility to a New Level

Cat® SMART Grader Blades offer a multi-purpose solution for grading dirt, gravel, sand and virtually any other material used as a base. The independent suspended blade allows for superior grading for angles to windrow material, as well as achieving a grade on mainfall and cross slope. The SMART Grader Blade also offers an Assist function to support achieving the desired grade with fewer passes.



# DISPLAY FEATURES



Visual feedback on grade angle and slope.



Optional Machine Slope Indicator kit displays machine angle and slope for real time feedback of machine mainfall and cross slope position.

# OPTIONAL WING KIT



Wings out to increase blade coverage width



Wings back behind blade to cut deeper like a dozer



Wings forward to create a box to retain more material while spreading



Wings angled to work around property features

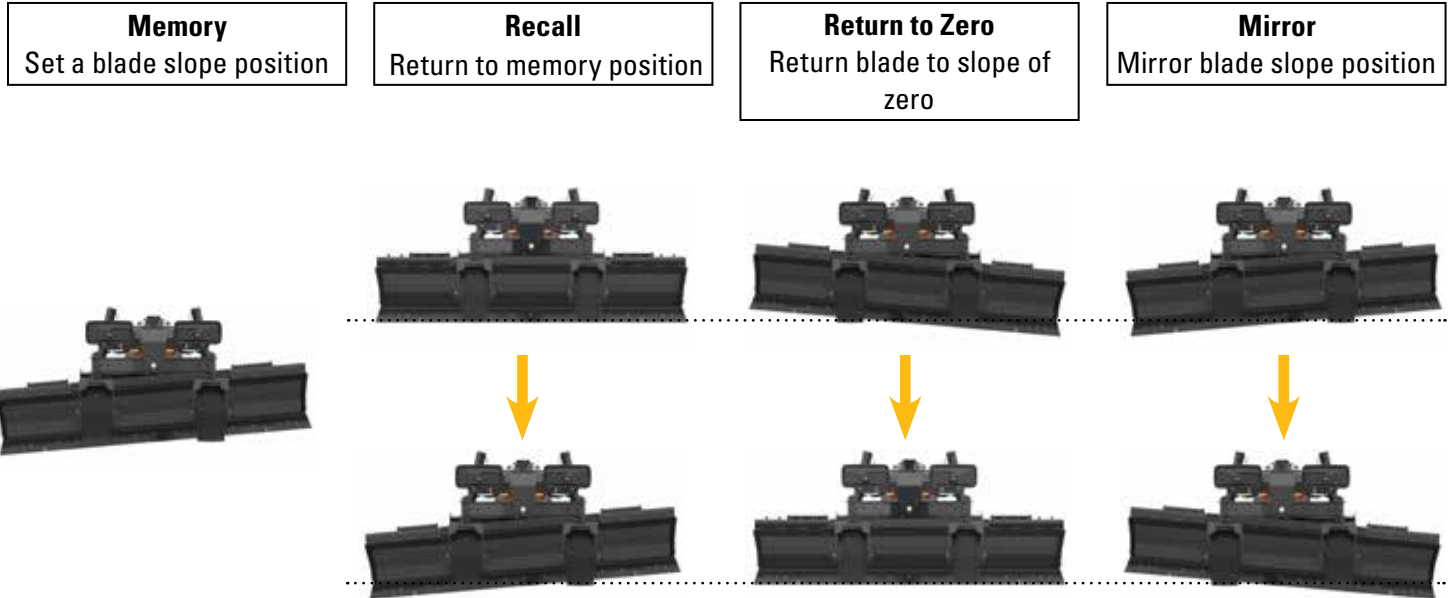
# ATTACHMENT MODE

Direction	Function
<b>FORWARD</b> and <b>BACKWARD</b>	Joystick movement <b>FORWARD</b> or <b>BACKWARD</b> raises and lowers the blades
<b>LEFT</b> and <b>RIGHT</b>	Joystick movement <b>LEFT</b> or <b>RIGHT</b> tilts the blade up and down
<b>THUMB WHEEL</b>	Thumb wheel angles the blade left and right
<b>RIGHT TRIGGER</b>	<b>RIGHT TRIGGER</b> activates blade assist
Attachment Buttons on Left and Right Joystick	Activates Memory, Recall, Return to Zero and Mirror



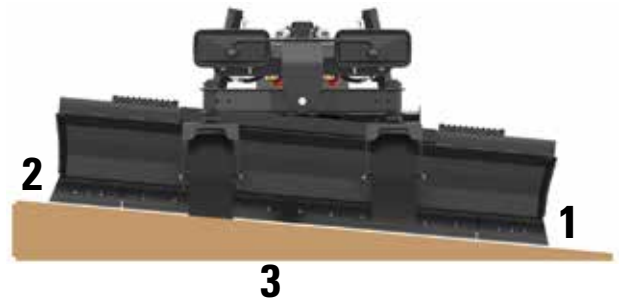
**RIGHT HAND JOYSTICK**

# STANDARD FEATURES TO ASSIST WITH HIGHER PRODUCTIVITY



## CROSS SLOPE GRADE ASSIST

Grader Blade Cross Slope Assist supports the operator for flatter passes on slopes. [LEFT] Operator controls the Grader Blade Left cylinder (1) while the Grader Blade assists the Right Cylinder position (2). [RIGHT] Operator controls Right cylinder angle (2) and Grader Blade assists Left Cylinder position angle (1). [TANDEM]: The Operator controls both cylinders, focusing on the center of the blade (3) and the Grader blades assists the Left and Right Cylinder position (1) and (2). Assist is capable with or without external reference.



## COMPATIBILITY

All D3 Skid Steer Loaders and Compact Track Loaders Hydraulics; Standard Flow or Higher/Electrical; 14 Pin Electrical

### SMART GRADER BLADES SPECIFICATIONS

MODEL	GB120	GB124
Blade Width (wings Extended) - in (mm)	103 (2604)	121 (3061)
Blade Width (wings Forward) - in (mm)	85 (2148)	103 (2605)
Blade Width (without wings) - in (mm)	78 (1981)	96 (2438)
Blade Width Fully Angled (with wings Extended) - in (mm)	90 (2292)	106 (2688)
Blade Width Fully Angled (without wings) - in (mm)	69 (1747)	84 (2143)
Wing Rotation - deg	205°	205°
Blade Angle Right/Left of Center - deg	± 30°	± 30°
Blade Tilt - deg	± 15°	± 15°
Max Cut Depth - in (mm)	4 (102)	4 (102)
Weight (with wings)- lb (kg)	2205 (1000)	2293 (1040)
SMART	Yes	Yes

## FEATURES COMPARISON

		Box Blade	Dozer Blade	SMART Dozer Blade	SMART Grader Blade with optional wings installed
		BB120, BB124	79 in (2006 mm), 92 in (2336 mm)	92 in (2336 mm)	GB121, GB124
Application	Cut	Minimal	Yes	Yes	Yes
	Slope	Yes	Yes	Yes	Yes
	Windrow	No	Yes	Yes	Yes
	Spread by Blade	Yes	Yes	Yes	Yes
	Spread by Box - Forward Direction	Yes	No	No	Yes
	Spread by Box - Reverse Direction	Yes	No	No	No
	Wings	"Fixed - Standard Front and Rear Wings"	No	No	Optional - Adjustable
Grade Control Technology Capability	Sonic	Yes	N/A	No	2021
	Dual Laser	Yes	N/A	No	Yes
	GPS/GNSS	Yes	N/A	2021	Yes
	Total Station	Yes	N/A	No	Yes
Grade Control Display	Earth Works Go	Yes	N/A	Yes, 2021	Yes
	Cat Grade	Yes	N/A	Yes, 2021	Yes
Control Pattern	Attachments Control Mode	No, Integrated buttons	No	Attachment Control Pattern	Attachment Control Pattern
Technology Features without external reference	Compatible with IMU	No	No	Required	Optional
	Blade Assist (Mainfall)			Yes	No
	Cross Slope Assist			Yes	Yes
	Memory	No	No	Yes	Yes
	Recall	No	No	Yes	Yes
	Return to Zero	No	No	Yes	Yes
	Compatibility	All	All	D3 HF XPS D3 XE	All D3 Series SSL/ CTL

## Compatible Grade Technologies



Dual Laser



GPS



Total Station



Sonic



Earthworks Go  
(laser only)



Earthworks  
Display



Cat Grade  
Display