MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Diamond Products*
Model:	*TBG134*
Equipment Type:	*Bridge Deck Groover*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	*Crossing and Operating*
Speed:	*No Restriction*
Weight:	*12,500 lb or less*
Traffic:	*Approved with Regular Traffic*
Location Restrictions:	*No Restriction*

Non-Interstate Approval Conditions

Approval Type	*Crossing and Operating*
Speed:	*No Restriction*
Weight:	*12,500 lb or less*
Traffic:	*Approved with Regular Traffic*
Location Restrictions:	*No Restriction*

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

TBG134 Bridge Deck Groover

FEATURES:

• Removable seat and flip up operators platform

• Night operation light package

• Safety strobe lights

• Adjustable carriage travel limit switches

• Lift eyes

• 90 gallon fuel capacity allows for up to 10 hours of operation

• Power steering

• Rear crab steer allows for operation in small areas

• Grooves within 12” (34.48cm) of curb or barrier wall

Specifications:
Engine: Caterpillar C4.4 174HP (129.7Kw) @ 2200rpm turbocharged/intercooled electronically controlled diesel engine. Meets U.S. EPA Tier 4 Final and EU stage IV emission requirements. Fuel consumption is approximately 9gph (34 LPH)
Fuel Capacity: 90 gallon (370L) diesel fuel
Tank Capacity: 70 gallon (259L) hydraulic oil

Ɛft Weight 12,500lbs

Cutting Width: 39in (99.06cm)
Blade Diameter: 12in (30.48cm)

Part #: TBG134, Catalog #: 90172

See page 2 for picture w/ dimensions.

UNIQUE “CRAB” FEATURE
A switch is provided on the control panel which causes the rear drive wheels to pivot to 28 degrees. A quick turn of the steering wheel to full left lock positions the front wheels at the same 28 degrees. This allows the TBG134 to “crab” sideways while backing up and remain parallel to the previously cut grooves. The TBG134 can thus groove in a 12’ wide lane and realign for the next pass in one backward movement.
NO MACHINE ON THE MARKET TODAY OFFERS THIS FEATURE.



10 ft

Number of Axles: 2 Straight Axles, 4 tires.

Distance between Axles: Approximately 8 feet

- **Part Number:** No