

OFFSET DITCH / BANK MOWER



Bowell BCRL

Offset Ditch Bank Mower

Lightweight Slope Mulcher for 15–40 PS Tractors



TOP FEATURES

- For 15–40 PS tractors with Cat. 1 three-point hitch
- High-performance rotor shaft with spiral-arranged hammer blades
- With hydraulic swivel arm
- For grass heights up to approx. 45 cm
- 115 cm to 155 cm working width
- Replaceable counter blades

Bowell BCRL Flail Mowers

Bowell BCRL Series—Versatile

The Bowell **BCRL slope mower** is a slope mower specifically designed for **smaller tractors**. With an available working width of up to 155 cm and a hydraulic swivel arm, these professional mowers can be used almost anywhere, as the mower deck can be operated at angles ranging from +90° to -40°.

Depending on the model, the maximum reach of the BCRL slope mower extends up to 2 meters to the right from the center of the tractor. When paired with a suitable tractor, the Bowell BCRL slope mowers can handle even dense vegetation and deliver high operational efficiency.

In addition to allowing the hydraulic swivel arm to be flexibly adjusted to virtually any mowing situation, the hydraulic system eliminates the need for tedious maneuvering in tight turns and allows you to mow comfortably under bushes and fences. To operate the hydraulic system, you'll need **two double-acting hydraulic connections** on your tractor.



Lightweight slope mower with mechanical collision protection

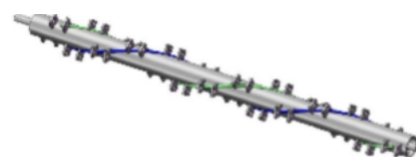
The Bowell BCRL Series is equipped with a collision protection system that allows the slope mower to swing backward should the mower head strike a solid object. This additional backward swing capability gives the operator time to brake before damage occurs to the machine. Bowell Traktor exclusively offers this safety feature in this equipment and price class.



Performance rotor shaft with hardened hammer blades

Depending on the working width, the BCRL slope mowers for small tractors are equipped **with 20 to 28 of the heavy-duty, hardened 400-gram Bowell high-performance flails**, which ensure optimal mowing results. The newly developed counter blades inside the mower help to

shred the cut material in the shortest possible time, even when processing not only grasses but also bushy or straw-like material and twigs up to 20 mm in diameter. A further-improved, spiral arrangement of the flails on the rotor shaft guarantees maximum performance with minimal power requirement for the tractor.



The heavy-duty, ball-bearing-mounted idler roller on the embankment mulcher ensures smooth operation even on uneven ground and also controls the cutting height. The **Bowell free-wheel clutch** ensures that the heavy flail shaft can continue to rotate after the PTO drive is disengaged, without transferring the motion to the tractor's PTO gearbox. Metal slats mounted on the front of the mower act as stone guards, preventing stones and other foreign objects from flying around.

BCRL slope mowers for small tractors are equipped with **stainless steel grease fittings** at the relevant points and feature two adjustable parking stands in addition to the skids. The 150-cm-long drive shaft is included with all units. The maintenance schedule in the detailed operating manual is easy to follow and makes it simple for you to maintain and care for your Bowell mower.

The slope mower is delivered fully assembled in sturdy Bowell wooden crates. Only the 3-point hitch, the pre-assembled swivel arm, and the PTO guard need to be attached, which takes about 40 minutes. Easy-to-follow instructions are provided for this.



SKF ball bearings

Like all Bowell side mulchers, the Bowell BCRL series is equipped with an electronically precision-balanced flail shaft, driven by 17 mm wide V-belts and fitted with **SKF ball bearings in solid bearing housings**. This guarantees nearly 100% power transmission—despite the heavy weight of the rollers and blades—with barely measurable power loss and minimal wear.

The new Bowell belt cover allows you to **check the belt tension** without having to remove the cover. This makes service and maintenance much easier. The freewheel gearbox operates in an oil bath, so the included gear oil must be added before commissioning. Beneath the heavy, sturdy cover made of 4-mm-thick sheet steel is a laser-balanced knife roller with 20 to 28 hardened, high-performance flails, each weighing 400 g, which can be replaced individually. The rotor shaft rotates, driven by the tractor's PTO at up to 2,000 rpm, and shreds the cut material to a minimum so that it can decompose quickly.



How is the Bowell BCRL Slope Mulcher mounted behind your tractor?

The table shows the options available to you when using the Bowell BCRL Slope Mulcher with your tractor.

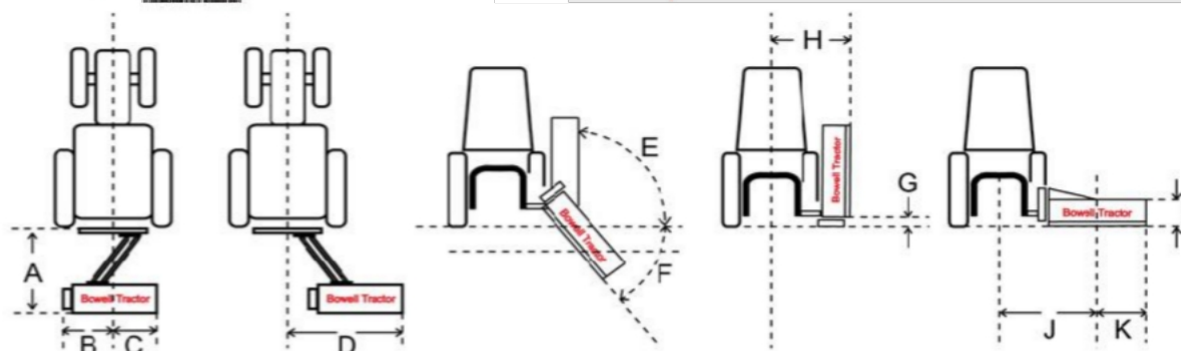
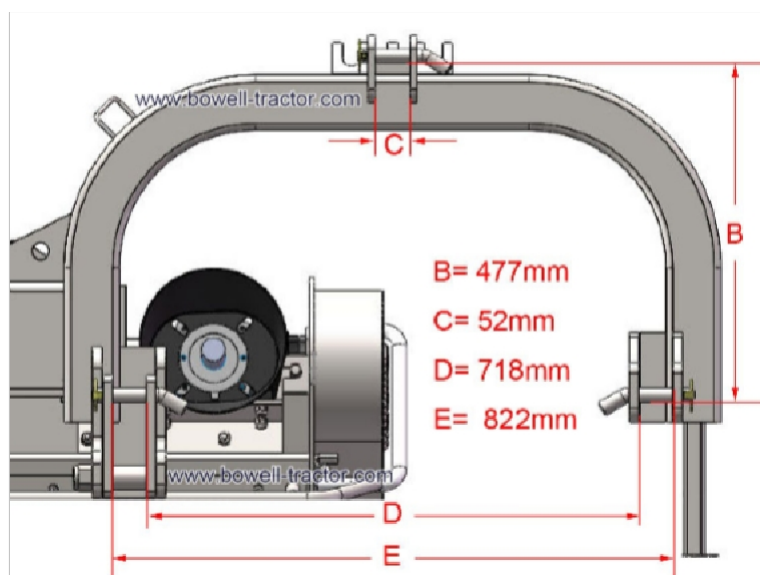
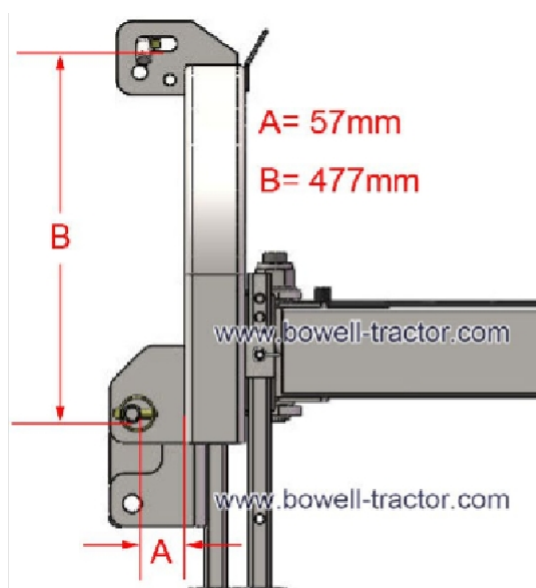
Examples:

The value "D" describes the maximum reach achieved when you move the Bowell BCRL slope mulcher horizontally to the right. The dotted line running lengthwise through the tractor marks the center of your tractor. For the BCRL-155, the value "D" is approximately 2 m.

Let's assume your tractor is 150 cm wide (measured at the outer edge of the tires). This means that the BCRL-155 can mow approximately 125 cm (200 cm total reach from the center of the tractor minus half the tractor's width; in this case, 75 cm) to the right of the right rear wheel. If your tractor is narrower or wider, the value changes accordingly.

The value "H" describes the distance from the center of the tractor to the working plane of the hammer flails in the vertical position. Since all Bowell BCRL slope mowers use the same support arms, this value is always approximately 115 cm. If your tractor is also 150 cm wide in this example, the flails would operate about 40 cm to the right of the right rear tire, for example, to keep road shoulders clear of branches and bushes.

The value "I" indicates the height of the mower at its outer end, and the value "K" indicates how long the housing maintains this height. On the BCRL-155, the mulcher's housing is 75 cm (K) long and 33 cm (I) high when viewed from the outside. This measurement can be important when mowing under an electric fence or under solar panels, for example.



	A(mm)	B(mm)	C(mm)	D(mm)	E(°)	F(°)	G(mm)	H(mm)	I(mm)	J(mm)	K(mm)
BCRL115	1579	565	756	1603	90	40	350	1149	323	1246	358
BCRL135	1579	565	956	1803	90	40	350	1149	323	1246	557
BCRL155	1579	565	1156	2003	90	40	350	1149	323	1246	758

TECHNICAL SPECIFICATIONS	BCRL-115	BCRL-135	BCRL-155
Dimensions (LxWxH) mm	1321x840x610	1521x840x610	1721x840x610
Total weight, including drive shaft, kg	271	287	325
Working width (cm)	115	135	155
Recommended grass height (cm)	< 45		
Adjustable cutting height (mm)	20–60		
3-point hitch for tractor	Cat. 1 (Cat. 2 bushings optional)		
Tractor PTO (clockwise rotation), rpm	540		
Hydraulic side shift, mm	847		
Max. reach to the right at 90° from the center of the tractor mm	1603	1,803	2003
Max. reach to the right from the center of the tractor at 90°, mm	1149		
Slope mowing angle	-40° ~ 90°		
Length of hydraulic hoses (cm)	180 / 203 / 208 / 335		
Drive shaft length, mm	1500		
Distance from top link pin to ground, min/max, mm	684 / 754		
Distance from lower link pin to ground, min/max mm	228 / 260		
Distance from PTO connection to ground, min/max mm	299 / 331		
Working capacity (approx. values) m ² /h	4,600–9,200	5,400–10,800	6,200–12,400
V-belt quantity / width (mm)	2 / 17	2 / 17	3 / 17
Recommended tractor engine power (PS/kW)	15–25 / 11–18	20–30 / 15–22	25–40 / 18–30
Rotor shaft diameter / wall thickness (mm)	76 / 8		
Trailing roller diameter / wall thickness mm	102 / 5		
Rotor shaft diameter (rotating) mm	282		
Beater speed m/s	30		
Housing material thickness, mm	4		
Side wall material thickness () mm	6		
Finish	Powder coating		
Mallet shape, weight (g)	Hammer, hardened, 400		
Number of hammers	16	20	24
RPM rotor shaft	2000		
Transport case (LxWxH) cm	140x80x71	160x80x71	180x80x71

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