

OFFSET DITCH MOWER

Bowell BCRX Offset Ditch Mower

Professional Slope Mulcher for 100–200hp Tractors



TOP FEATURES

- For 100–200 PS tractors with Cat. 2 & 3 three-point hitch
- High-performance rotor shaft with 1,200g hammer blades arranged in a spiral pattern
- With hydraulic swivel arm
- Maximum working width of the mulcher is 395 cm
- For grass heights over 150 cm
- 240 cm to 280 cm working width
- Newly developed collision protection for greater safety
- High-performance bevel gearbox from Bondioli & Pavesi

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Applications of the Slope Mulcher

The Bowell BCRX series of slope mowers is equipped with a heavy-duty, high-performance **bevel gear** from the renowned Italian manufacturer **Bondioli & Pavesi**, enabling it to be used optimally as a slope mower with larger tractors, even on large areas. **Working widths of up to 280 cm are available.** The newly designed **hydraulic swing arms are internally reinforced** and can achieve operating angles ranging from +90° to -45°.



Tall and tough vegetation can be removed quickly and effectively with the slope mower. The **maximum working reach** of the mulcher is approximately **395 cm to the right**, measured from the center of the tractor.

In addition to the flexible adjustment of the hydraulic swing arm to virtually any mowing situation, the mower's hydraulic system eliminates the need for tedious maneuvering in tight turns. Even overgrown farm roads can be cleared with these large slope mowers, ensuring that truck clearance is maintained. To operate the hydraulic system, you'll need two double-acting hydraulic connections on your tractor.



Technology - Innovative mechanical collision protection for Bowell slope mowers

An intelligent collision protection system, integrated as **standard on the BCRX slope mower**, effectively prevents damage. The mower is swung backward by the collision protection system as soon as the mowing unit strikes a solid object. This additional swivel capability of the slope mower gives the operator time to brake before damage occurs to the machine. This safety feature is **completely maintenance-free** and therefore operates **reliably for years to come**.



Mulcher Hammer Blades & Stone Impact Protection

Depending on the model and working width, the BCRX slope mower is equipped with **24 to 28 hardened 1,200-gram high-performance flails** from Bowell. These efficient tools ensure that even tough brush and underbrush up to 40 mm in diameter is optimally shredded and processed. The powerful **counter blades inside** the slope mower also ensure reliable shredding of dense vegetation.

The cutting height on the slope mower is adjusted using the heavy-duty, large **self-cleaning trailing roller**. This prevents the mower deck from digging into the ground when encountering uneven terrain.

Once the PTO drive is disengaged, no further motion is transmitted to your tractor's PTO gearbox. This is made possible by the large **Bondioli&Pavesi freewheel gearbox** and the inertia of the heavy rotor shaft. The slope mower is equipped with **metal slats** that provide protection against stone impact, preventing foreign objects and stones from flying off the front of the mulcher.

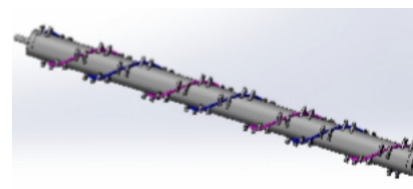
Durable stainless steel grease fittings are installed on all **ball bearings and joints**. The machine also features two **adjustable parking stands and skids**. The service and maintenance information in the operator's manual makes it easy for you to maintain and care for your Bowell mulcher.

The flail mowers are delivered fully assembled on the sturdy Bowell transport frames. Only the 3-point hitch, the pre-assembled swing arms, and the PTO guard need to be installed, which takes about 60 minutes. Easy-to-follow instructions are provided for this.



The **electronically precision-balanced rotor shaft** of the embankment mulcher is supported by **SKF ball bearings** and driven by **five 22mm V-belts**. This optimized technology guarantees nearly 100% power transmission—even with a high shaft and blade weight—with minimal wear and virtually undetectable power loss. The heavy-duty freewheel gearbox operates in an oil bath; therefore, it is essential to top off the gear oil before commissioning.

The rotor shaft has been specially optimized. The **flails are arranged in a spiral pattern** so that, despite the wide working width, no more than three flails cut the grass at the same time. This significantly reduces the effort required.



Double-walled mower housing

For wide and heavy flail mowers that operate at high rotational speeds on the rotor shaft, a torsionally rigid and low-vibration housing is essential for the machine's reliability. In addition to solid side walls—which are 8 mm thick on the BCRXpro side mulcher—the best results are achieved by designing the wide mulcher housing with a double-walled construction. The Bowell BCRXpro mulcher features a 4-mm-thick outer housing and, over more than 90% of its surface area, an additional 4-mm-thick inner housing made of high-strength Hardox®, which are welded and bolted together. This enables very smooth operation of this professional attachment.



How is the BCRX Slope Mulcher positioned behind your tractor?

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

Examples:

The value "D" describes the maximum reach achieved when you move the Bowell BCRX Slope Mulcher horizontally to the right. The dotted line running lengthwise through the tractor marks the center of your tractor.

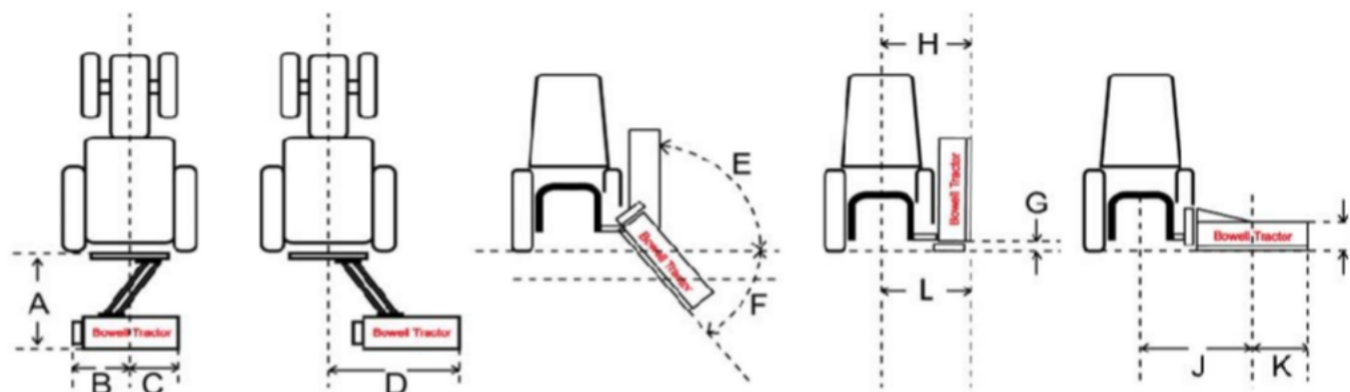
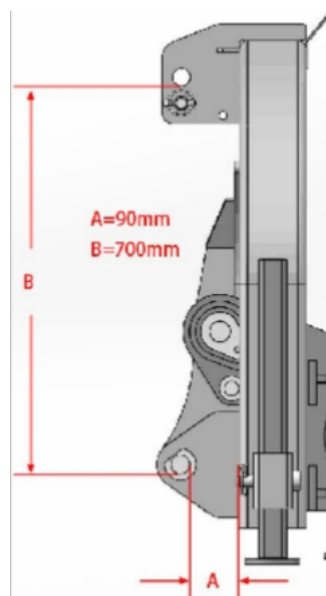
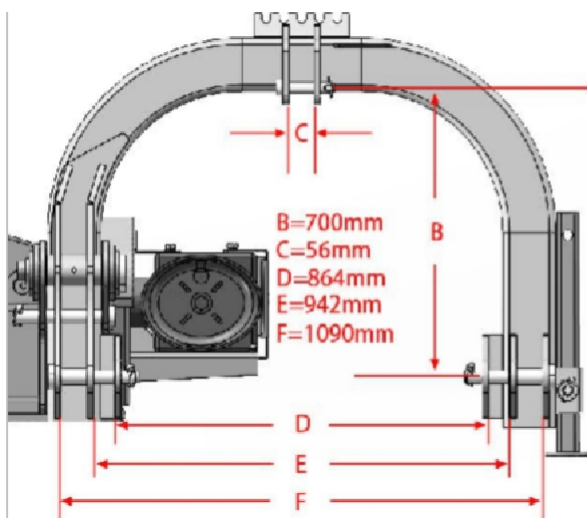
For the BCRX-280, the value "D" is approximately 3.9 m.

Let's assume your tractor is 250 cm wide (measured at the outer edge of the tires). This means that the BCRX-280 can mow approximately 268 cm (393 cm total reach from the center of the tractor minus half the tractor's width; in this case, 125 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 BCRX slope mowers use the same support arms, this value is always approximately 177 cm. If your tractor is also 250 cm wide in this example, the flails would operate approximately 52 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 BCRX-280, the mulcher's housing is 156 cm (K) long and 60 cm (I) high when viewed from the outside.

This measurement can be important when, for example, mowing under an electric fence or under solar panels.



	A(mm)	B(mm)	C(mm)	D(mm)	E(°)	F(°)	G(mm)	H(mm)	I(mm)	J(mm)	K(mm)
BCRX240	2000	955	1976	3530	90°	45°	461	1765	600	2368	1162
BCRX260	2000	955	2176	3730	90°	45°	461	1765	600	2368	1362
BCRX280	2000	955	2376	3930	90°	45°	461	1765	600	2368	1563

TECHNICAL SPECIFICATIONS	BCRX-240	BCRX-260	BCRX-280
Dimensions (LxWxH) mm	2931x1100x1304	3131 x 1100 x 1304	3331x1100x1304
Total weight, including drive shaft, kg	1120	1220	1320
Working width cm	240	260	280
Recommended grass height (cm)	< 200		
Adjustable cutting height (mm)	20–70		
3-point hitch for tractor	Cat. 2 / Cat. 3		
Tractor PTO (clockwise rotation), rpm	540		
Recommended minimum hydraulic system pressure bar/psi	180 / 2,610		
Hydraulic side shift, mm	1,554		
Max. reach to the right at 90° from the center of the tractor mm	3,530	3,730	3,930
Max. reach to the right from the center of the tractor at 90°, mm	1,765		
Slope mowing angle	-45° ~ 90°		
Length of hydraulic hoses, cm	260 / 310 / 500 / 500		
Drive shaft length, mm	1800		
Distance from top link pin to ground, min/max, mm	1162 / 1259		
Distance from lower link pin to ground, min/max mm	510 / 560		
Distance from PTO connection to ground, min/max mm	676 / 726		
Working capacity (approx. values) m³/h	8,000–25,000	10,000–30,000	12,000–34,000
V-belts Number / Width mm	5 / 22		
Recommended tractor engine power (PS/kW)	100–200 / 75–150	120–200 / 90–150	120–200 / 90–150
Rotor shaft diameter / wall thickness (mm)	194 / 10		
Trailing roller diameter / wall thickness mm	168 / 5		
Rotor shaft diameter (rotating) mm	450		
Beater speed m/s	51		
Housing material thickness, mm	4 + 4 (double-walled)		
Side wall material thickness, mm	8		
Finish	Powder coating		
Mallet shape, / weight (g)	Hammer, hardened, 1200		
Number of mallets	24	26	28
RPM rotor shaft	2,150		
Transport Crate (LxWxH) cm	290x120x125	310x120x125	330x120x125

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