

OFFSET DITCH MOWER

Bowell BCRXpro Offset Ditch Mower

Professional slope mulcher with PowerCut® function for 120–200 PS tractors



TOP FEATURES

- For 120–200 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 swing arm
- PowerCut® rotor with 40% more hammer blades for fast mulching
- For grass heights over 150 cm
- 260 cm to 280 cm working width
- Rear roller can be mounted in 2 different positions
- High-performance bevel gearbox from Bondioli & Pavesi

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Applications of the Slope Mulcher

The Bowell BCRXpro slope mower series 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 on larger tractors, even over 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 range** 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 swivel arm to accommodate 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 they are high enough for trucks to pass. 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

Damage can be effectively prevented thanks to an intelligent collision protection system that is integrated **as standard on the BCRXpro slope mower**. The mower is swung backward by the collision protection as soon as the mower head strikes a solid object. This additional swivel capability of the slope mower gives the operator the opportunity to brake in time before damage occurs to the machine. This safety feature is **completely maintenance-free** and therefore functions **reliably for years to come**.



PowerCut® rotor shaft with 40% more hammer blades

Depending on the model and working width, the BCRXpro slope mower is equipped with **36 to 40 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. Key to the performance of **the BCRXpro series** is the new PowerCut® rotor shaft, which features over 40% more hammers. This greatly increases the efficiency of the BCRXpro mulchers. You can use this, for example—provided there are only minor ground irregularities—to drive at higher speeds than previously possible. This increases hourly output and significantly reduces costs.

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

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 coasting 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.

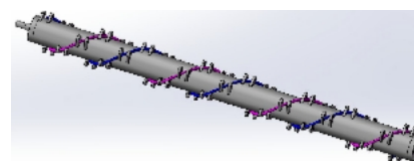
The flail mowers are delivered fully assembled on the sturdy Bowell transport frames. Only the 3-point hitch, the pre-assembled swing arms, and the PTO guard need to be installed, which takes about 60 minutes. Easy-to-follow instructions are provided for this.



SKF ball bearings with Performance rotor shaft

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

The PowerCut® rotor shaft is specially optimized. The **flails are arranged in a spiral pattern** so that, despite the large working width and number of flails, no more than three flails cut the grass at the same time. This significantly reduces the effort required.



Variable trailing roller position

Depending on the material to be mulched, the technical requirements for the mulcher can vary widely. The Bowell BCRXpro side mulcher therefore features a trailing roller that can be mounted in **two different positions**. If the material is placed in front of the roller and then run over by it, it is compressed, which is not an issue if it is subsequently incorporated into the soil with a rotary tiller or rotary cultivator. However, if the material is placed behind the trailing roller—that is, not compressed—it decomposes more quickly, and more light and air reach the grass below. On uneven terrain, a smaller distance between the trailing roller and the rotor shaft can be advantageous for adapting to the ground. The chopped material is then deposited behind the support roller. However, this can lead to significant dust clouds when dealing with dry chopped material, such as corn stalks. The Bowell BCRXpro slope mulcher offers the option of moving the trailing roller or support roller 20 cm further back. This deposits the chopped material in front of the roller. By adjusting the support roller's position, the BCRXpro side mulcher can adapt perfectly to varying conditions. There are three positions for the support roller to **adjust the cutting height**.



Double-walled housing of the mower

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.

The flails beneath the heavy, sturdy double-walled cover made of reinforced sheet steel can be replaced individually.



How is the BCRXpro Slope Mulcher positioned behind your tractor?

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

Examples:

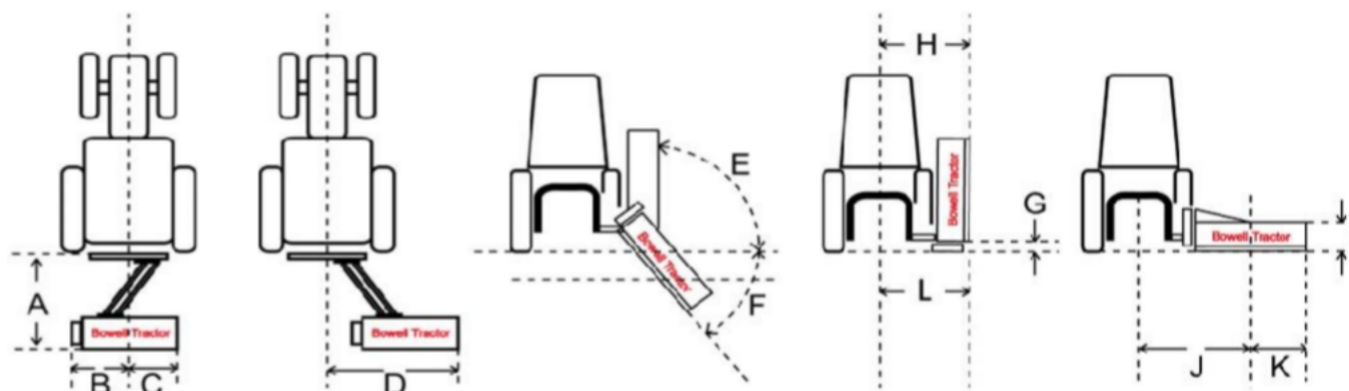
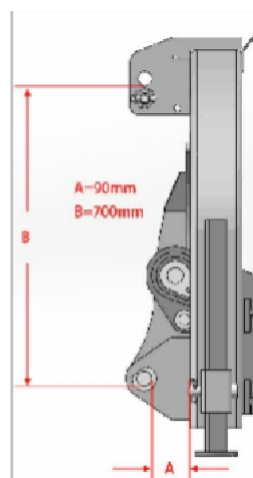
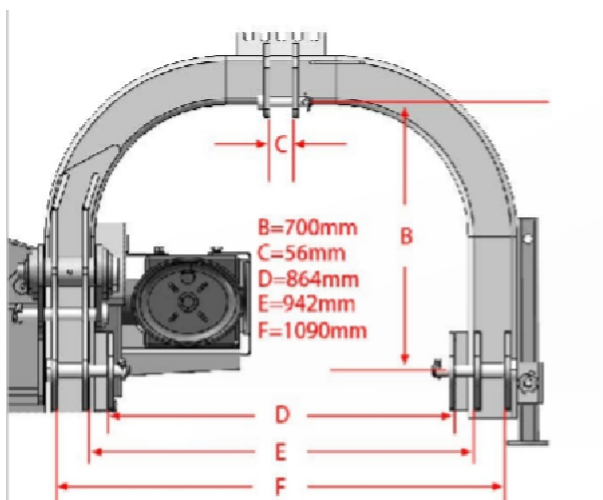
The value "D" describes the maximum reach achieved when you move the Bowell BCRXpro slope mulcher horizontally to the right. The dotted line running lengthwise through the tractor marks the center of your tractor. For the BCRXpro-280, the value "D" is approximately 3.9 m.

Let's assume your tractor is 250 cm wide (measured at the outer edge of the tire); this means that the BCRXpro-280 can mow approximately 268 cm

(393 cm total reach from the center of the tractor minus half the tractor 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 plane of operation of the hammer blades in the vertical position to the center of the tractor. Since all Bowell BCRXpro slope mowers use the same mounting arms, this value is always approximately 177 cm. If your tractor is also 250 cm wide in this example, the flails would operate about 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 BCRXpro-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 mowing under an electric fence or solar panels, for example.



	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	BCRXpro-260	BCRXpro-280
Dimensions (L x W x H) mm	3131x1200x1304	3331 x 1200 x 1304
Total weight, including drive shaft, kg	1280	1380
Working width cm	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	3,730	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 upper control arm bolt 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) m ² /h	10,000–30,000	12,000–34,000
V-belt Number / Width mm	5 / 22	
Recommended tractor engine power (PS/kW)	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/sec	51	
Housing material thickness, mm	4 + 4 (double-walled)	
Side wall thickness, mm	8	
Finish	Powder coating	
Flat-head shape, / weight in g	Hammer, hardened, 1200	
Number of mallets	36	40
RPM rotor shaft	2,150	
Transport crate (LxWxH) cm	310x120x125	330x120x125

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