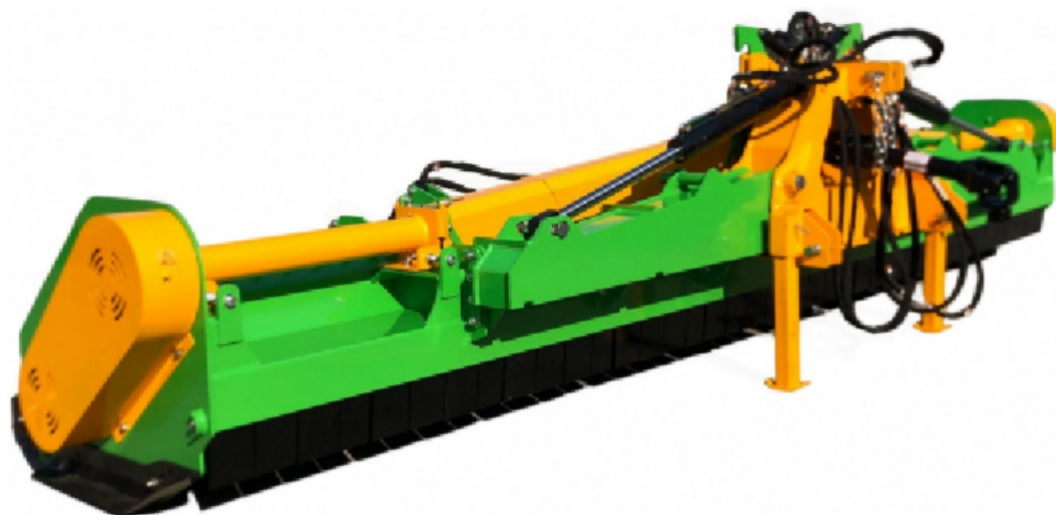


FOLDING FLAIL MULCHER

Bowell BFX Flail Mower

Professional folding flail mower with hydraulic folding mechanism for large 140–250 PS tractors



TOP FEATURES

- For tractors with Cat. 2 / 3 three-point hitch
- With hydraulic folding mechanism
- PowerCut® rotor shaft with 40% more flails for faster mulching
- For grass heights up to 200 cm
- 480 cm and 600 cm working widths
- Performance rotor shaft with spiral arrangement of the hammer blades
- Double-walled housing; inner housing made of Hardox®
- Rear support wheels optional

Bowell BFX Flail Mower

Applications of the Mower

The **Bowell BFX mower series** is equipped with a **high-performance, two-sided bevel gearbox** from the renowned Italian manufacturer **CMR**, making it ideal for use with large tractors as a **field mulcher or field chopper**.

The **BFX-480** and **BFX-600** are professional, foldable mowers designed both for managing more challenging crop residues (corn, canola, sorghum, grass, and sunflowers) and for maintaining uncultivated land. The BFX series is available in two working widths—4.80 m and 6.00 m—and is designed for use with tractors in the 140–250 PS power range. Thanks to its folding frame, the machine can be folded down to a width of 220 cm for road transport in just a few seconds.

The professional BFX flail mowers, available with a **working width of up to 600 cm**, can be used on very large areas. When paired with a suitable tractor, Bowell BFX mowers outperform virtually any type of vegetation, even on large areas, and deliver very high operational efficiency even when dealing with stubborn plants.



Technology of the BFX Mower

The practical **hydraulic folding mechanism** allows the working width of even the 600-cm brush cutter to be reduced to 220 cm, enabling transport on public roads at any time without cumbersome additional work.

1,400-gram **hardened flails** deliver ideal mowing results, capable of handling even **tough underbrush and shrubs** with a diameter of 30 mm. Depending on the model, a total of 60 or 80 of these newly developed, high-performance flails are integrated into the mulchers. **Additional counter-blades** inside the flail mower ensure even better performance when cutting grass. You can adjust the **cutting height** using the **self-cleaning idler rollers**. The freely adjustable idler rollers also help compensate for **uneven ground**, preventing the flails from touching the ground during mowing.

The large **CMR freewheel gearbox** ensures that the heavy flail shafts can continue to rotate after the PTO drive is disengaged, without transferring the motion to the tractor's PTO gearbox. Solid **metal slats** mounted on the front of the mower prevent stones and other foreign objects from flying around.



Flail mower for 1000 rpm PTO shafts

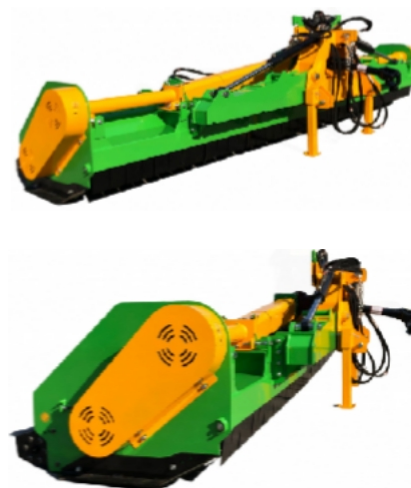
The double-sided CMR angle gearbox operates at a **PTO speed of 1000 rpm**. Bowell BFX forage harvesters come equipped with **Bowell Power Efficiency technology** as standard. Your tractor must have a **PTO speed** of over **1000 rpm** to take advantage of this, enabling it to deliver more efficient performance with lower fuel consumption. Bowell Power Efficiency technology **saves fuel** from the very first meter, at no extra cost.



Flail mower with double Bowell 5-speed belt drive

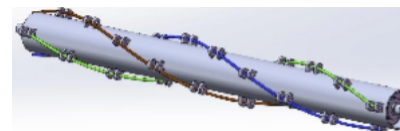
The new dual Bowell 5-belt drive on the BFX-480 and BFX-600, featuring 22 mm wide drive belts and correspondingly **reinforced pulleys**, guarantees nearly 100% power transmission even with these large working widths and despite the high weight of the shafts and flails, with a barely measurable loss of power and minimal wear. The belt cover ensures good ventilation of the belts, and belt tension can be checked in seconds without having to remove the cover.

BFX mowers are equipped with **stainless steel grease fittings** at the relevant points and feature two **parking stands** in addition to the side **skids**. The maintenance schedule in the operator's manual is straightforward and makes it easy for you to maintain and care for your Bowell mower. Like all Bowell flail mowers, the Bowell BFX series is equipped with **electronically precision-balanced flail shafts**, which are driven by five 22-mm-wide V-belts on each side. The heavy-duty freewheel transmission runs in an oil bath, so transmission oil must be added before starting operation.



SKF Ball Bearings with Performance Rotor Shaft

The BFX flail mowers are equipped with large **SKF rotor shaft ball bearings** that are anchored in solid, CNC-machined bearing seats. This is necessary because the heavy, laser-balanced rotor shaft rotates at **2068 U/min**, shredding the cut material to a minimum so that it can decompose quickly. 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 two flails from a single shaft cut the grass at the same time. This significantly reduces the effort required.



Double-walled mower housing

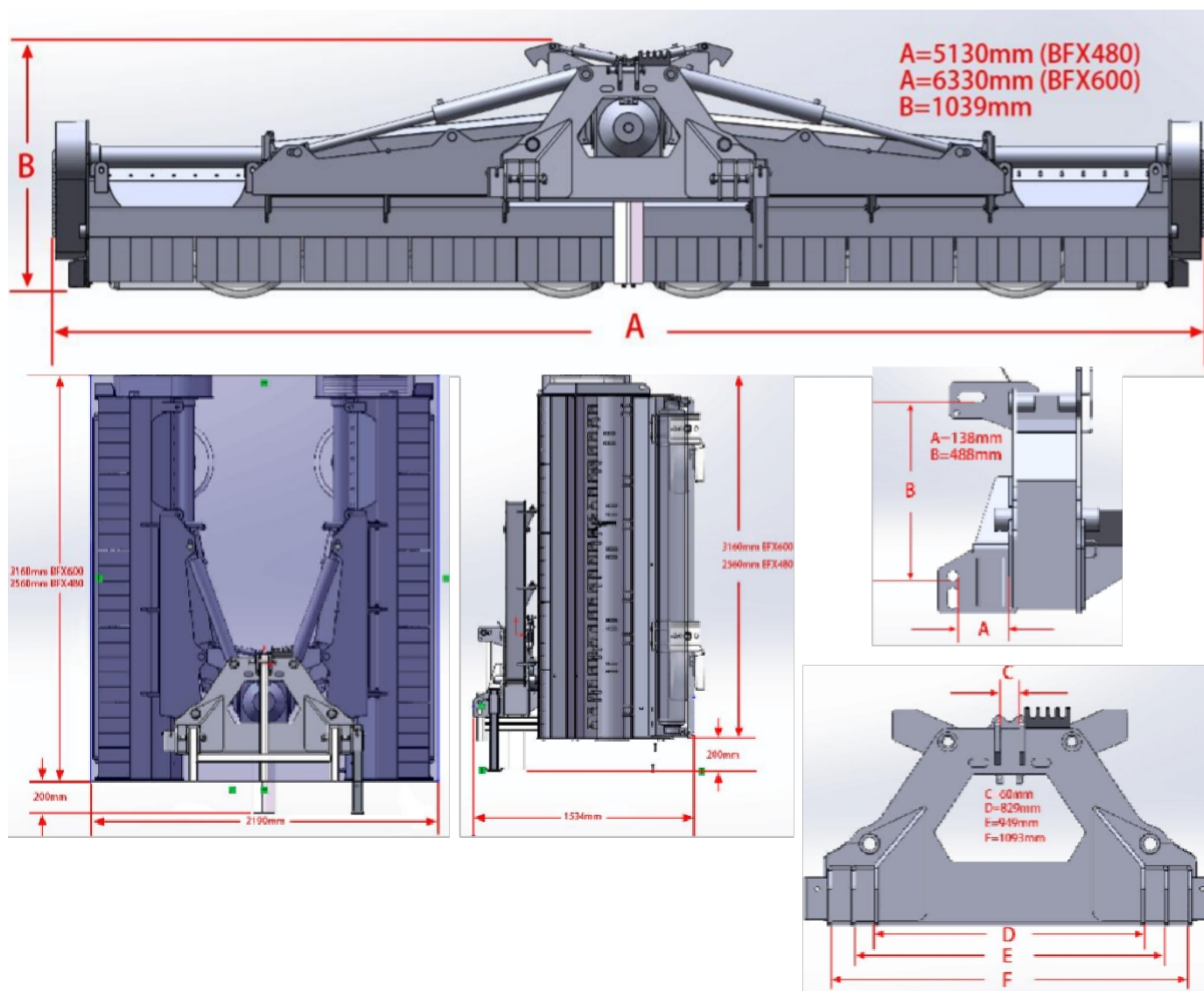
For wide and heavy flail mowers that operate at high rotor shaft speeds, a torsionally rigid and low-vibration housing is essential for the machine's reliability. In addition to solid side walls—which are 10 mm thick on the BFX mulcher—the best results are achieved by designing the wide mulcher housing with a double-walled construction. The Bowell BFX mulcher features a 6 mm-thick outer housing and, over more than 90% of its surface area, an additional 5 mm-thick inner housing, which are welded and bolted together. This enables very smooth operation of this professional attachment.



How is the BFX mulcher positioned behind your tractor?

The reference point is always the center of your tractor—that is, where the PTO shaft is located.

The BFX area mulchers are always positioned centrally behind your tractor, so that the overhang on the left and right sides of the tractor is always the same.



TECHNICAL SPECIFICATIONS	BFX-480	BFX-600
Dimensions (LxWxH) mm	5130x1534x1093	6450x1534x1093
Total weight, including drive shaft, kg	2033	3284
Working width cm	480	600
Recommended grass height (cm)	< 200	
Adjustable cutting height (mm)	20–60	
3-point hitch for tractor	Cat. 2 / Cat. 3	
Tractor PTO clockwise rotation, rpm	1000 1-3/4"	
Hydraulic folding mechanism	0° to 90°	
Length of hydraulic hoses (cm)	36/210/200/100/80/100	
Drive shaft length, mm	1200 with slip clutch	
Distance from top link pin to ground, min/max, mm	994 / 1122	1065 / 1213
Distance from lower link pin to ground, min/max mm	463 / 557	463 / 577
Distance from PTO connection to ground, min/max mm	737 / 785	737 / 785
Work rate (approx. values) m ² /h	28,000–56,000	32,000–64,000
Number of V-belts / Width (mm)	10 / 22	
Recommended tractor engine power, PS/kW	140–180/103–133	210–250/155–185
Rotor shaft diameter / wall thickness (mm)	168 / 10	194 / 12
Trailing roller diameter / wall thickness mm	196 / 6	
Housing material thickness (outer/inner), mm	6 + 5	6 + 6
Side wall material thickness () mm	10	
Finish	Powder coating	
Mallet shape	Hammer, hardened	
Number of mallets	2 x 30	2 x 42
Flattener weight (g)	1400	
RPM rotor shaft	2068	
Rotor shaft diameter (rotating), mm	444	470
Beater speed m/s	48	51
Transport case (LxWxH) cm	219x154x256	330x154x120

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