

FLAIL MULCHER

Bowell EF Flail Mower



Small flail mower for 15–40 hp tractors



KEY FEATURES

- For 15–40 hp tractors with Cat. 1 three-point linkage
- High-performance rotor shaft with spiral-arranged flails
- 400 g hardened hammer blades
- Up to approx. 45 cm grass height
- 115 cm to 155 cm working width
- Replaceable counter blades

Bowell EF flail mower

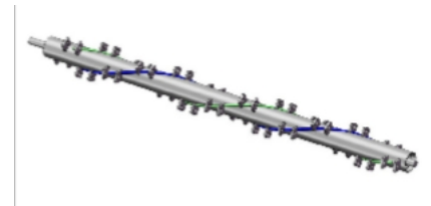
Bowell EF Series – versatile

Bowell mulchers from the EF series for small tractors are ideal for the regular maintenance of meadows, paddocks or orchards where the grass is less than 45 cm high. With a working width of 115 cm to 155 cm, the EF flail mowers adapt perfectly to your tractor and the area to be worked. The mower's 3-point hitch can be mounted in two positions on the housing, allowing the Bowell EF flail mower to be positioned behind your tractor according to your requirements, depending on the tractor's width.



Performance rotor shaft with hardened hammer flails

working width, which deliver an optimal mowing result even when processing not only grass 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 minimum effort required from the tractor.



The cutting height on the mower is adjusted using the heavy-duty, self-cleaning rear roller, which is, of course, also ball-bearing mounted in this machine class. This prevents your mulcher from digging into the ground when encountering undulations.

The effective, replaceable counter blades of the larger Bowell flail mowers are now also standard on the lighter EF series and enable noticeably better shredding of the cut material.



The **standard freewheel gearbox** on Bowell flail mowers ensures that the flail shaft can continue to rotate after the PTO drive has been switched off, without the movement being transmitted to your tractor's PTO gearbox. At the front, the mower is fitted with **metal slats to protect against** stone impact, which prevent stones and other foreign objects from being thrown out.

All EF flail mowers are fitted with sturdy stainless steel grease nipples on the ball bearings and, in addition to the skids and a front support, also feature a PTO shaft mount. The PTO shaft is included as standard with the Bowell EF mulcher.

The comprehensive operating manual contains assembly, service and safety information for your Bowell flail mulcher.



Flail mowers are delivered fully assembled in a wooden crate

Bowell EF flail mowers are delivered fully assembled in a solid wooden crate. Only the KAT-1 3-point hitch (KAT-2 bushings available as an option) and the PTO shaft guard need to be fitted. The **easy-to-follow instructions** will help you with this.

Like all Bowell mowers, the Bowell EF-class small tractor mulchers are equipped with an **electronically balanced flail shaft**, which is driven by 2 or 3 V-belts, each 17 mm wide, depending on the working width. The supplied gear oil must be added to the oil-bath free-wheel gearbox before commissioning the flail mulcher.



Mulcher with SKF ball bearings

Beneath the heavy 4 mm-thick steel sheet housing of the EF flail mowers

high-quality SKF ball bearings on the mulcher rotor shaft are well protected within a solid bearing seat machined from solid stock and are serviced via grease nipples located on the outside of the mulcher housing. This ensures that the grease nipples cannot be damaged by stone impact. The flail mulcher rotor shaft rotates, driven by the tractor's PTO shaft at up to 2000 rpm, and reduces the cut material to a minimum so that it can decompose quickly. The heavy, ball-bearing-mounted trailing roller on the Bowell EF flail mulcher ensures smooth operation.



The power of the three belts

Even from a working width of 115 cm, your flail mower features 20, 24 or 28 hammer flails and the Bowell 3-belt drive with reinforced pulleys and 17 mm wide drive belts. This guarantees almost **100% power transmission with barely measurable power loss**, despite the higher weight of the hammer flails. Other flail mowers use fewer or

Belt slippage caused by drive belts that are too narrow is the main reason for the belts slipping and wearing out. As slippage cannot occur with the wide 17 mm Bowell drive belts, hammer flails can be used to achieve optimal mowing results without the belts suffering. Another new feature in this machine class is the opening in the belt cover, which allows the mower's belt tension to be checked without having to remove the cover. This makes your servicing and maintenance work considerably easier.

FLAP MULCHERS



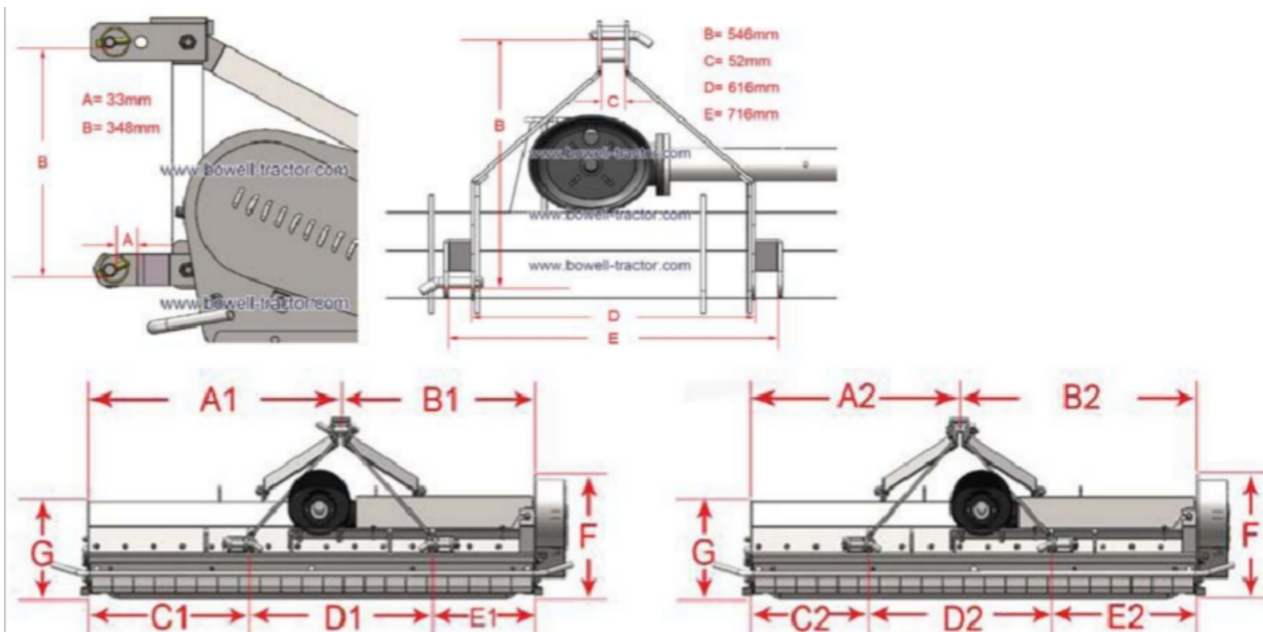
How is the EF mulcher positioned behind your tractor?

The reference point is always the centre of your tractor, i.e. where the PTO shaft is located.

Let's assume your tractor is 70 cm wide from its centre to the outer edge of the right-hand tyre (i.e. 140 cm total width); in that case, the mulcher should extend more than 70 cm to the right of the **tractor's centre**. This allows the mulcher to mow to the right of the right-hand rear wheel. This would allow you, for example, **to keep the tractor at a slight distance** from a fence, bush, tree or shed **whilst still mowing flush with the edge**.

The **three-point hitch** can be mounted in two different positions on the mower housing. These are marked here as A1, B1 etc. and A2, B2 etc.

If, in the example shown here, the flail mower is to extend more than 70 cm to the right of the centre of the tractor, the EF-135 would be too narrow (A1 = 685 mm); however, with the EF-155, you could mow as far as 18 cm to the right of the right-hand rear wheel (A1 = 882 mm)



	A1 (mm)	B1 (mm)	C1 (mm)	D1 (mm)	E1 (mm)	F (mm)	G (mm)	A2 (mm)	B2 (mm)	C2 (mm)	D2 (mm)	E2 (mm)
EF115	732	430	418	628	116	408	323	582	580	268	628	266
EF135	682	680	368	628	366	408	323	532	830	218	628	516
EF155	882	680	568	628	366	408	323	732	830	418	628	516

TECHNICAL SPECIFICATIONS	EF-115	EF-135	EF-155
Dimensions (LxWxH) mm	1420x840x590	1620x840x590	1820x840x590
Total weight incl. drive shaft kg	180	200	220
Working width () cm	115	135	155
Recommended grass height (cm)	< 40		
Adjustable cutting height mm	20–60		
3-point tractor hitch	Cat 1 (Cat 2 bushings optional)		
Tractor PTO clockwise rpm	540		
PTO shaft length mm	800		
Distance from top link pin to ground min/max mm	550 / 582		
Distance from lower link pin to ground min/max mm	180 / 212		
Distance from PTO connection to ground min/max mm	303 / 335		
Working capacity (approx. values) m ² /h	4600–9200	5400–10800	6200–12400
V-belt Number / Width mm	Mar. 17	Mar. 17	Mar 17
Recommended tractor engine power (hp)	15–25	18–30	25–40
Rotor shaft diameter / wall thickness mm	76 / 8		
Follow-up roller diameter / wall thickness mm	102 / 5		
Rotor shaft diameter (rotating), mm	282		
Flogger speed m/s	30		
Housing material thickness mm	4		
Side panel thickness mm	6		
Paint finish	Powder coating		
Mallet shape	Hammer, hardened		
Number of hammers	16	20	24
Flat weight (g)	400		
rpm Rotor shaft	2000		
Transport case (LxWxH) cm	135x80x55	155x80x55	175x80x55

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