

FLAIL MULCHER

Bowell EFGCHpro Flail Mower

Professional medium-duty flail mower with side shift for 35–75 hp tractors



KEY FEATURES

- For tractors with Cat. 1 / 2 three-point linkage
- Performance rotor shaft with spiral arrangement of 1.2 kg hammer flails
- Reinforced rotor shaft with 127 mm diameter and 10 mm wall thickness
- Up to approx. 100 cm grass height
- 155 to 220 cm working width
- Large rear service flap
- Gearbox by COMER (Italy)
- 50 cm hydraulic side shift

Bowell EFGCHpro flail mower

Applications of the mower

The Bowell EFGCHpro flail mower series offers professional technology for small and medium-sized tractors and is fitted with reinforced **free-wheel angular gearboxes** from the Italian manufacturer **Comer**. In addition, the EFGCHpro series is equipped with a hydraulic system that allows the mower to be moved 50 cm to the right in the direction of travel. This makes it possible to work further to the right of the tractor than with a fixed flail mower. The hydraulic system allows you to mow comfortably around obstacles such as trees, fence posts or road signs without having to use the tractor's steering. With a working width of up to 220 cm available, the robust EFGCHpro mowers can be optimally adapted to the power and width of your tractor and the area to be managed. The 220 cm model features a further **reinforced 3-point hitch**, which accommodates the machine's heavy weight.

Bowell EFGCHpro flail mowers are fitted as standard with **Bowell Power Efficiency technology** (). If your tractor supports a 1000 rpm PTO speed in addition to the standard 540 rpm, you can also use the Bowell EFGCHpro mowers at this higher speed.

Simply swap the upper pulley for the lower pulley on the belt drive and you can achieve the same output much more efficiently and with lower fuel consumption. **Save fuel** with the new Bowell Power Efficiency technology, at no extra cost, right from the very first metre.

EFGCHpro mowers can be used **effectively on medium-sized areas** with a grass height of up to 100 cm, where mowing is required only two or three times a year.

Woody plant material up to 35 mm in diameter, twigs, small branches and even small bushes are reliably shredded by the EFGCHpro mower thanks to the hammer flails, which weigh approx. 1.2 kg. EFGCHpro mowers are true all-round **flail mowers for tractors** up to 75 hp (), as they are suitable for both light tasks such as regular mowing of horse pastures and for clearing significantly thicker vegetation, whilst remaining extremely competitively priced flail mowers.



Technology of the EFGCHpro mower

Depending on the working width, the EFGCHpro flail mowers are equipped with 14 to 20 of the heavy, hardened, approximately 1.2 kg new Bowell **high-performance flails**. The newly developed, replaceable counter-blades inside the flail mowers ensure optimum results, even with stubborn undergrowth and scrub.

The cutting height is adjusted between 20 and 75 mm using the heavy-duty, ball-bearing-mounted, **self-cleaning rear roller**. The **height-adjustable side skids** on the flail mower prevent the mower from digging into the ground on uneven terrain. A support at the front ensures stability when storing the equipment.

The scope of delivery includes a CE-approved PTO shaft with a length of between 80 cm and approximately 110 cm, which can be shortened as required for your application.

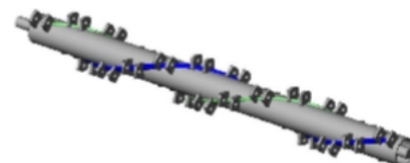
The reinforced **Comer freewheel gearbox** on the mower ensures that the heavy flail shaft can continue to run after the **PTO drive** has been switched off, without the movement being transmitted to the tractor. The metal slats of the stone guard fitted to the front of the flail mower prevent stones and other foreign objects from flying off.



SKF ball bearings with Performance rotor shaft

Beneath the robust 5 mm to 8 mm thick housing of the EFGCHpro mowers lies a laser-balanced rotor shaft fitted with 14 to 20 hardened, high-performance flails, each weighing approximately 1.2 kg. The flails have bevelled surfaces on the inside, to which debris can hardly adhere. A further improved, **spiral arrangement of the flails** on the rotor shaft guarantees maximum performance with minimum effort required from the tractor. The mulchers in the EFGCHpro series are equipped with reinforced rotor shafts, which have a **diameter of 127 mm** and a **wall thickness of 10 mm**. The larger diameter also increases the **flail speed** from the previous 41 m/s to 46.5 m/s, thereby enhancing their performance.

The new Bowell EFGCHpro mowers are fitted with **SKF ball bearings**, which are protected from external influences by solid, CNC-machined bearing housings. The stainless steel grease nipples are mounted on the outside of the mulcher housing for easy access and are protected against contamination and damage by additional metal rings.



The **rotor shaft** of the mowers rotates, driven by the tractor's PTO shaft at up to 2200 rpm, and shreds the cut material to a minimum so that it can decompose quickly. The heavy-duty, ball-bearing-mounted **rear roller** ensures smooth operation.

The drive shaft is included in the scope of delivery of the Bowell EFGCHpro flail mowers, as is the gearbox oil, which is already filled at the factory. The comprehensive operating manual explains the assembly, commissioning and maintenance of the mowers in detail and also provides exploded views of the flail mower's construction.



Mower unit with drive system and 4 drive belts

Like all Bowell mowers, Bowell EFGCHpro mowers are equipped with an electronically **fine-balanced flail shaft**. All working widths in the EFGCHpro series feature a powerful 4-belt drive system with **reinforced pulleys**, which ensures almost 100% power transmission even with a heavy flail weight, with barely measurable power loss and minimal wear.

The **belt cover** allows you to check the belt tension without having to remove the cover from the flail mower. This makes your servicing and maintenance work considerably easier.



What are the benefits of a mulcher's hydraulic side shift for me?

Bowell EFGCHpro mulchers can be shifted 50 cm to the right in the direction of travel. This makes it possible to mow a larger area to the right of a tractor's right rear wheel. In other words: you can keep the tractor further away from the edge of the mowing area, or even mulch under a fence alongside which you are driving the tractor.

Just as important is the ease with which the hydraulics allow you to navigate around obstacles such as trees, fence posts or road signs. These can be navigated without complex steering manoeuvres, as the mulcher in front of the obstacle simply needs to be moved briefly to the right and then back to the left using the hydraulics. A double-acting control unit is required so that your tractor can control the hydraulics.



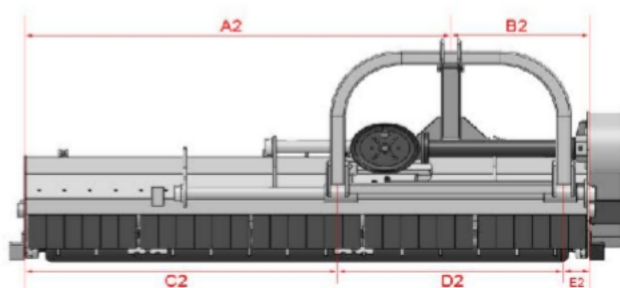
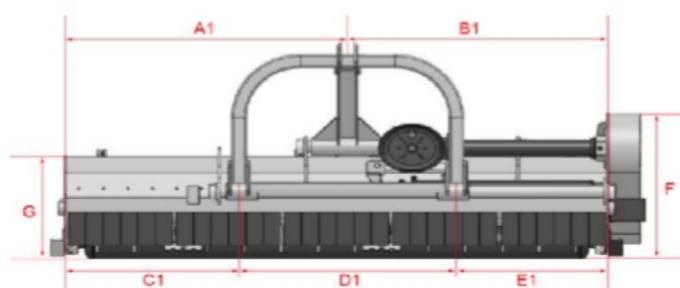
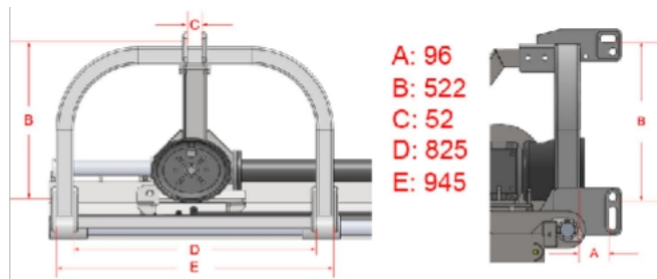
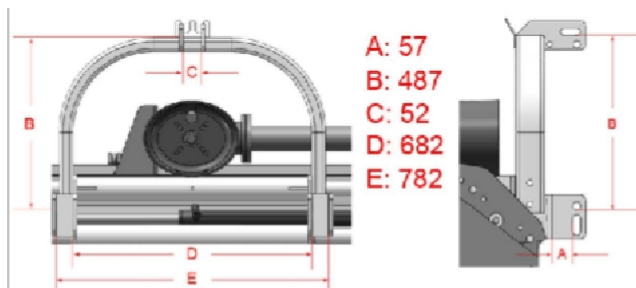
How is the EFGCHpro mulcher positioned behind your tractor?

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

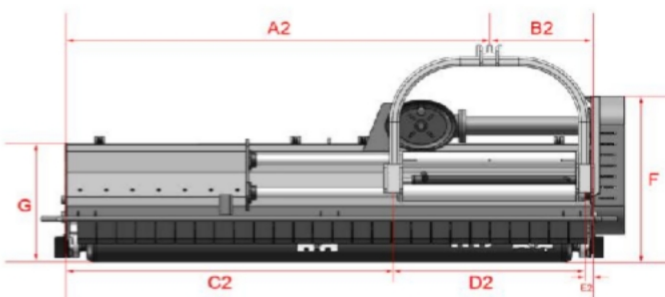
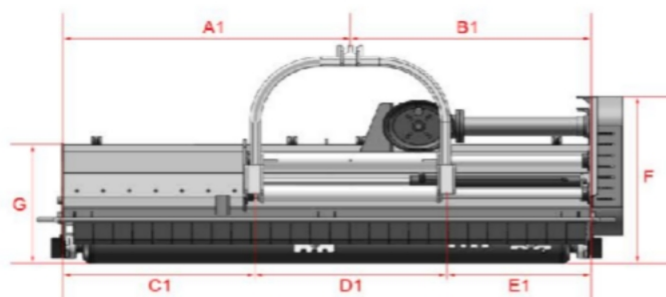
Let's assume your tractor is 90 cm wide from its centre to the outer edge of the right-hand tyre (i.e. 180 cm total width); in that case, the mulcher should extend more than 90 cm to the right from the centre of the tractor. This allows the mulcher to mow to the right of the right-hand rear wheel. This 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 moved hydraulically on the mower housing. The respective end points are marked here as A1, B1 etc. and A2, B2 etc.

If, in the example given here, the mower is to extend more than 90 cm to the right of the centre of the tractor, the EFGCHpro-155 would be sufficient ($A2 = 1166$ mm); however, with the EFGCHpro-175, you could achieve a reach of over 45 cm ($A2 = 1366$ mm). These figures may not be sufficient for you, as you are mowing under a low-hanging tree and do not want to snap its branches. Provided your tractor has sufficient power, you could opt for the EFGCHpro-200 ($A2 = 1616$ mm), which can even mow over 70 cm to the right of your tractor's rear right wheel. Furthermore, the EFGCHpro-220 is also available, though its power requirements will likely necessitate a wider tractor.



EFGCHpro-220	A1(mm)	B1(mm)	C1(mm)	D1(mm)	E1(mm)	F(mm)	G(mm)	A2(mm)	B2(mm)	C2(mm)	D2(mm)	E2(mm)
	1153	1063	711	885	621	638	456	1673	543	1231	885	101



	A1(mm)	B1(mm)	C1(mm)	D1(mm)	E1(mm)	F(mm)	G(mm)	A2(mm)	B2(mm)	C2(mm)	D2(mm)	E2(mm)
EFGCHpro-135	446	916	81	730	551	684	495	986	396	601	730	31
EFGCHpro-155	646	916	281	730	551	684	495	1166	396	801	730	31
EFGCHpro-175	846	916	481	730	551	684	495	1366	396	1001	730	31
EFGCHpro-200	1096	916	731	730	551	684	495	1616	396	1251	730	31

TECHNICAL SPECIFICATIONS	EFGCH pro-155	EFGCH pro-175	EFGCH pro-200	EFGCH pro-220
Dimensions (LxWxH) cm	175x86x88	195x86x88	220x86x88	242x98x96
Total weight incl. drive shaft kg	380	396	414	458
Working width cm	155	175	200	220
Recommended grass height cm	< 100			
Adjustable cutting height mm	20–75			
3-point tractor hitch	Cat 1 (including Cat 2 sockets)			CAT 1 + 2
Tractor PTO clockwise rpm	540 / 1000			
PTO shaft length mm	1000			
Distance from top link pin to ground min/max mm	850 / 897			925 / 985
Distance from lower link pin to ground min/max mm	304 / 352			360 / 465
Distance from PTO connection to ground min/max mm	565 / 613			487 / 547
Working capacity (approx. values) m ² /h	6200–12400	7,000–14,000	8,800–15,600	10,000–17,000
V-belt quantity / width mm	4 / 17	4 / 17	Apr. 17	Apr.17
Recommended tractor engine power HP/kW	35–45/26–33	40–55/29–40	55–65/40–48	65–75/48–55
Rotor shaft diameter / wall thickness mm	127 / 10			
Follow-up roller diameter / wall thickness mm	133 / 5			
Rotor shaft diameter (rotating), mm	387			
Flogger speed m/sec	46.5			
Housing material thickness mm	5			5
Side panel material thickness () mm	6			8
Paint finish	Powder coating			
Mallet shape	Hammer, hardened			
Number of hammers	14	16	18	20
Flat weight (kg)	approx. 1.2			
rpm rotor shaft	2295			
Transport crate (LxWxH) cm	180x90x78	200x90x78	225x90x78	250x102x78

Your specialist retailer