HYDRAULIC MULCHERS

Bowell EFGC-HFL hydraulic mulcher



Medium-duty hydraulic flail mower for wheel loaders, farm loaders or telescopic handlers



KEY FEATURES

- Available for vehicles with 2 or 3 hydraulic connections
- For grass heights up to approx. 75 cm
- From 30 L/min wheel loader hydraulic capacity
- 135 cm to 175 cm working width
- Rotor shafts with SKF ball bearings and CNC-milled bearing seats
- Various mounting hooks for Euro front loaders, Kramer, Volvo, Weidemann, BobCat, etc.

Bowell EFGC-HFL hydraulic mulcher

Applications of the mower

The Bowell EFGC-HFL flail mower series features special hydraulic valves that enable a freewheel function when the hydraulics are switched off. With an available working width of up to 175 cm, the robust EFGC-HFL mowers can be optimally adapted to the power and width of your wheel loader, telescopic handler or farm loader.



EFGC-HFL mowers can be used **effectively on medium-sized areas** with a grass height of up to 75 cm, where mowing is required only two or three times a year.

Woody plant material up to 25 mm in diameter, twigs, small branches and even small bushes are reliably shredded by the mower. EFGC-HFL mowers are true all-round **flail mowers for wheel loaders and farm loaders**, 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 EFGC-HFL mower

Depending on the working width, the EFGC-HFL flail mowers are fitted with 18 to 26 heavy-duty, hardened **800 g Bowell high-performance flails**. The newly developed, replaceable counter-blades inside the flail mowers ensure an optimal mowing result, 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** prevent the mower deck from digging into the ground when encountering uneven terrain. From the 2020 model year onwards, we use robust stainless steel grease nipples.



The reinforced **hydraulic transmission** ensures that the heavy flail shaft can continue to run after the **PTO drive** has been switched off. This is guaranteed by **special hydraulic safety valves**, which are activated even if the rotor shaft is blocked. The metal stone-guard slats at the front prevent stones and other foreign objects from being flung about. The EFGC-HFL mulchers are fitted as standard with a gearbox designed for **a hydraulic flow rate** of up to **60 L/min**. Your wheel loader or telescopic handler should have **a flow capacity** of over **40 L/min** to enable the full grass height to be achieved. If the flow rate is significantly less than 40 L/min, the EFGC-HFL mulcher can only be used for grass heights of up to 50 cm. The EFGC-HFL mulchers are available in two versions: with two or three connection lines (additional leakage oil line).

SKF ball bearings

Beneath the mowers' sturdy 4 mm-thick sheet steel cover lies a laser-balanced rotor shaft fitted with 18 to 26 hardened, high-performance flails, each weighing 800 g. The flails have bevelled surfaces on the inside, to which debris can hardly adhere.

All EFGC-HFL mowers are fitted with **SKF ball bearings**, which are protected from external influences within solid, CNC-machined bearing housings. The new stainless-steel grease nipples are mounted on the outside of the mulcher housing for easy access and are protected against dirt and damage.



The **rotor shaft** of the mowers rotates at up to 2,100 rpm and shreds the cuttings to a minimum so that they can decompose quickly. The heavy-duty, ball-bearing-mounted **trailing roller** ensures smooth operation.

The EFGC-HFL mulchers are supplied with three hydraulic lines (pressure line, return line, drain line), but can be modified if required for connection to machines with only two connections. 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.

The mowers are delivered fully assembled in sturdy Bowell wooden crates. Only the **front support wheels** and the **wheel loader or EURO mounting** need to be fitted to the mower unit, which takes approximately 30 minutes.

Mower unit with drive system and 4 drive belts

Like all Bowell mowers, Bowell EFGC-HFL mowers are fitted with an electronically **precision-balanced flail shaft**, which is driven by three or four 17 mm-wide drive belts, depending on the mower's working width.



From a working width of 175 cm, a 4-belt drive with **reinforced pulleys** is used in the mower, which enables almost 100 per cent power transmission even with a high flail weight, with barely measurable power loss and minimal wear.

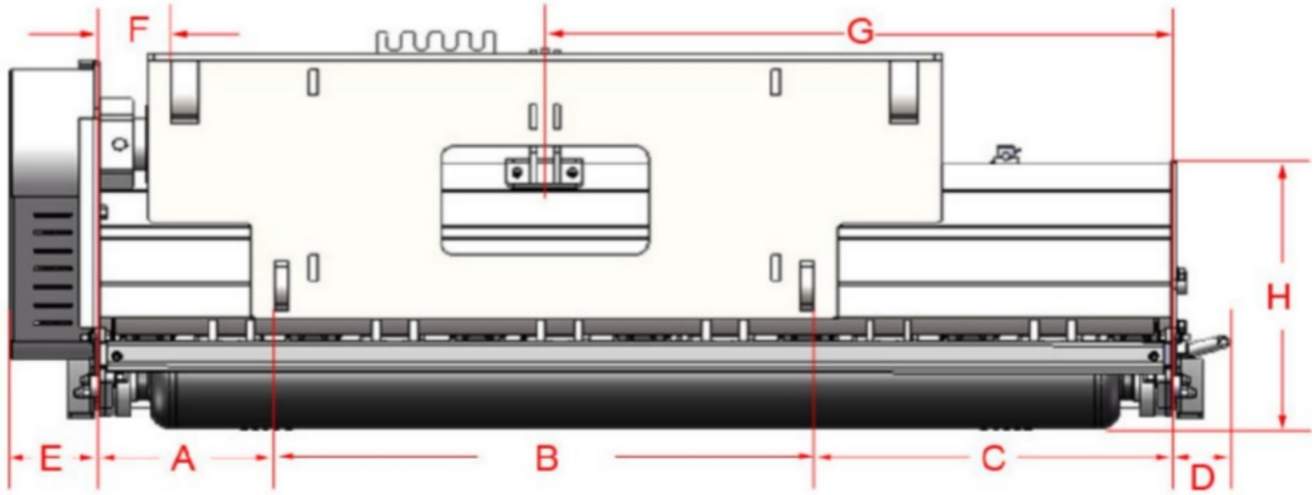
The new **belt cover** allows you to check the belt tension without having to remove the cover from the flail mower. This makes your servicing and maintenance work considerably easier.

How is the EFGC-HFL hydraulic mulcher positioned in front of your wheel loader?

The reference point is always the centre of your wheel loader

Relative to the centre of your wheel loader, a flail mulcher that gets wider, such as the Bowell EFGC-HFL, extends exclusively to the right. This means that the value 'G' increases as you choose a wider mulcher. The higher the 'G' value, the further to the right of the right-hand front wheel the mulcher can mow. This would allow you, for example, to manoeuvre the wheel loader slightly closer to a fence, bush, tree or shed

Keep your distance whilst still mowing flush with the edge. If the front of the wheel loader were 180 cm wide (outer edge of the tyre), you could mow approximately 21 cm to the right of the right-hand front tyre using the EFGC-HFL-175. The 'G' value is approximately 111 cm from the centre of the vehicle, so 111 cm (G) – 90 cm (half the vehicle width) = 21 cm. For a narrower wheel loader, you could therefore also choose a narrower mulcher such as the EFGC-HFL-155 or 135.



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
EFGCHFL135	254	780	316	84	128	104	712	390
EFGCHFL155	254	780	516	84	128	104	912	390
EFGCHFL175	254	780	716	84	128	104	1112	390

TECHNICAL SPECIFICATIONS	EFGC-HFL-135	EFGC-HFL-155	EFGC-HFL-175
Dimensions (LxWxH) mm	1620x940x840	1820x940x840	2020x940x840
Total weight kg	272	288	304
Working width (cm)	135	155	175
Recommended grass height (cm)	< 70 (depending on hydraulic system)		
Adjustable cutting height (mm)	20–75		
Mounting interface	EURO front loader		
Recommended hydraulic flow rate for wheel loaders, L/min	35 ~ 50	35 ~ 50	35 ~ 50
Required hydraulic lines on the wheel loader	a choice of 2 or 3 connections; G1/2" in each case		
Hydraulic pressure (bar), min/max	180 ~ 240		
Length of hydraulic hoses (cm)	150 / 190		
Working capacity (approx. values) m²/h	5,400–10,800	6,200–12,400	7,000–14,000
V-belt Number / Width mm	3 / 17	3 / 17	4 / 17
Rotor shaft diameter / wall thickness mm	108 / 8		
Trailing roller diameter / wall thickness mm	133 / 5		
Rotor shaft diameter (rotating) mm	358		
Beater speed m/s	41		
Housing material thickness mm	4		
Side wall material thickness ( ) mm	6		
Paint finish	Powder coating		
Mallet shape	Hammer, hardened		
Number of beaters	18	22	26
Flat weight (g)	800		
rpm rotor shaft (depending on hydraulic system)	2120		
Carrying case (LxWxH) cm	166x90x78	186 x 90 x 78	206 x 90 x 78

Your specialist retailer