

SICKLE MOWER

Bowell SM Sickle Mower



Sickle mower for smaller 20–60 PS tractors



KEY FEATURES

- For 20 to 60 PS tractors with Cat. 1 three-point linkage
- 70 cm fence trimmer with return spring for mowing around obstacles
- Sturdy front support wheels for precise guidance
- Ball-bearing-mounted trailing roller
- For grass heights up to approx. 70 cm
- Working width from 120 cm to 250 cm
- Hardened high-performance blades
- SM-250 available; SM-120 and SM-180 from 2027

Bowell SM-250 Sickle Mower

Applications of the SM sickle mower

The **Bowell SM sickle mowers** combine a powerful sickle mower with an additional **fence mower with a 70 cm diameter**. This allows grass to be mown quickly and cleanly around fence posts, tree trunks, road signs and other obstacles **without the hassle of manoeuvring**.

Sickle mowers enable **high area coverage** even when used with comparatively small tractors and low engine power. They are ideally suited to regularly maintained meadows and green spaces. Depending on the vegetation, grass heights of around 60 to 70 cm can be handled. Areas with denser scrub, however, are less suitable for sickle mowers.

The SM series is currently available as **the SM-250**. **From 2027, the range will be expanded to include the SM-120 and SM-180 models**. The relevant dimensions and technical specifications can already be found in the overview on **page 4**.



Technology of the SM sickle mower

The **Bowell SM sickle mowers** operate with high-speed, hardened blades, ensuring a clean cut whilst delivering high area coverage. On the side is the additional **fence mower, with a diameter of 70 cm**, which is guided by a movable arm. Upon contact with an obstacle, the mower can swivel out of the way and is subsequently guided back into its working position by an adjustable return spring.

This allows tree trunks, fence posts, road signs and similar obstacles to be neatly mowed around in a single pass. The robust belt drive is easily accessible via practical maintenance hatches. The grease nipples on the idler rollers are also easily accessible, facilitating regular maintenance.

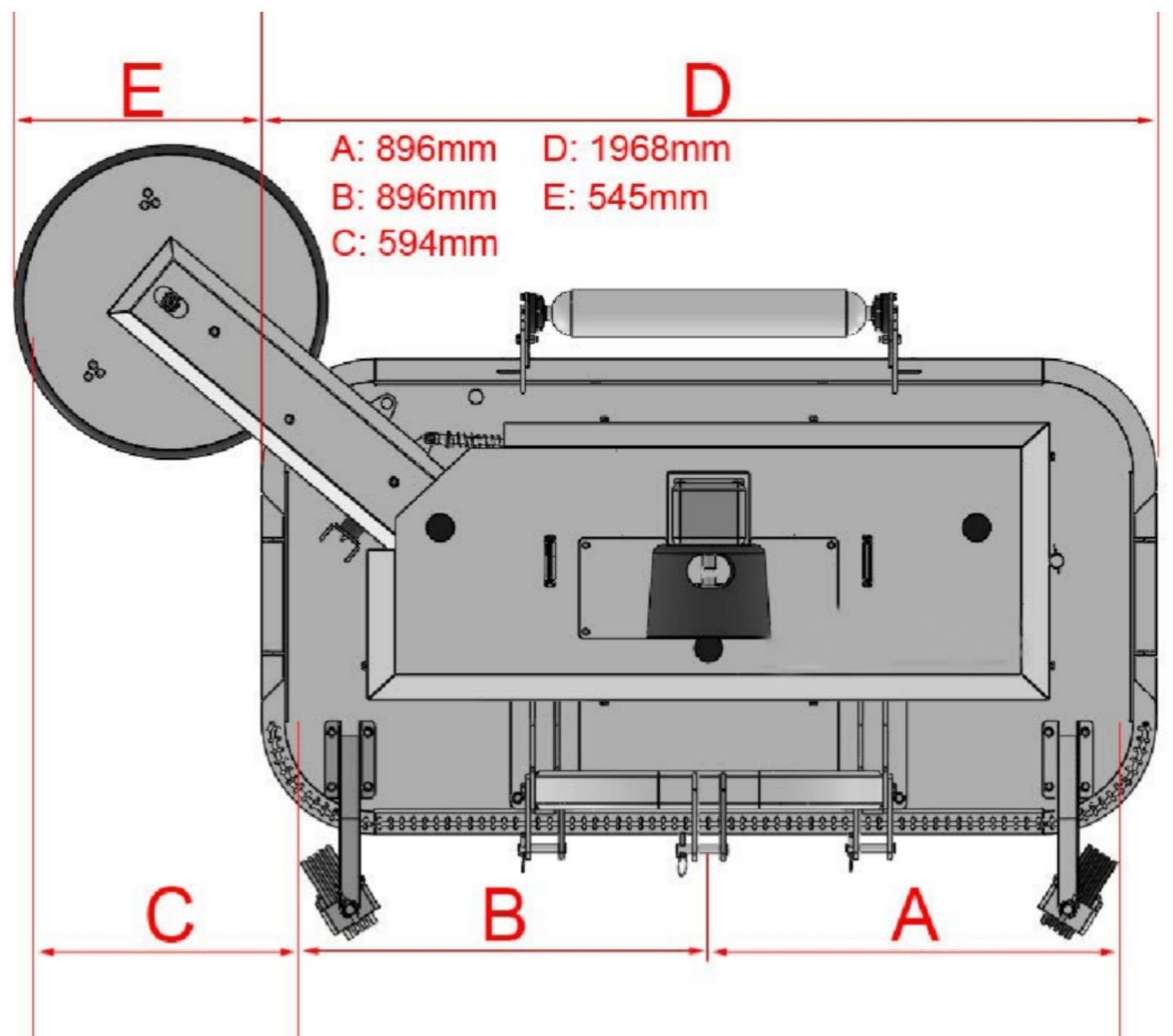
The desired cutting height can be adjusted via the heavy-duty, ball-bearing-mounted **trailing roller**. At the same time, it ensures that the sickle mower runs smoothly across the surface. Solid **front support wheels** further aid the precise guidance of the mower unit.



The reinforced **PTO gearbox** is driven at 540 rpm via the supplied drive shaft. A robust, powder-coated steel housing and the solid construction make the SM sickle mowers suitable for regular use in grounds maintenance.

The comprehensive operating manual explains assembly, commissioning and maintenance in detail and also includes exploded views for a clear illustration of the individual assemblies.

The machine is supplied largely pre-assembled in a sturdy **Bowell wooden crate**. Only a few components, such as the front support wheels, the 3-point hitch and the additional hedge mower, still need to be fitted.



TECHNICAL SPECIFICATIONS	SM-120	SM-180	SM-250
Dimensions (LxWxH) mm	1320x1160x669	1832x1160x669	2500x1490x669
Total weight including drive shaft kg	135	210	300
Working width (cm)	120	180	180 + 70
Recommended grass height (cm)	< 70		
Adjustable cutting height (cm)	3–7		
3-point hitch	CAT I		
PTO shaft rpm, clockwise rotation	540		
PTO shaft	T4 1000 mm		
Working capacity (approx. values) m ² /h	3700–5700	5,500–8,500	7,500–12,500
V-belt Number / Width mm	2 / 17	2 / 17	3 / 17
Diameter of sickle blade mm	614		
Blade speed m/s	85		
Housing material thickness (mm)	4		
Painting	Powder coating		
Knives	hardened		
Number of blades	2x2	3x2	3x2 + 2
Blade size (mm)	180x60x6		
rpm blade	2659		
Transport crate (LxWxH) cm	130x110x50	190x110x50	200 x 110 x 50

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