

Schmidt

GmbH

STEEL CONSTRUCTION - MECHANICAL ENGINEERING



FML
560

FM
560

FM
620

FMH
680

FOREST-MILLING-CUTTER

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Forest-milling-cutter FML 560

Drive power 90 – 140 hp | work depth up to 8 cm | wood up to 25 cm

The Forest-milling-cutter FML 560 can be mounted and operated with little effort to tractors of the category 3. Thanks to its compact design, its low weight along with its high performance and the possibility to operate up to a depth of 8 cm, this Forest-milling-cutter can be used on narrow, poorly accessible surfaces.



Standard equipment:

- Walterscheid drive shaft with free wheels
- mechanical pressing lever
- resilient centre gearbox
- one-sided drive by V-belt
- oversized spherical roller bearings
- 3 counter blades of Hardox
- hydraulically adjustable tailgate
- mechanically adjustable skid plates of Hardox
- double chain screen as spray guard in front
- quickly replaceable carbide tipped tools

Additional equipment:

- hydraulically adjustable pressing levers
- metal plates to screw to the chain screen

Hydraulic tailgate

- when closed serves as 4th counter blade.
Herewith the crushing of the material can be additionally improved.

Work depth up to 8 cm

- by working the milled material up to a depth of 8 cm a homogenous surface is achieved. This results in a mineralisation of the soil, an accrual of new growth is reduced.

Model series FML

Model	working width	total width	weight	power class	power unit	number of tools	tool type
FML560/150	150 cm	185 cm	1650 kg	90-140 hp	6 V-belt	45 pieces	mono/dt
FML560/175	175 cm	210 cm	1875 kg	110-140 hp	6 V-belt	52 pieces	mono/dt
FML560/200	200 cm	235 cm	2100 kg	130-140 hp	6 V-belt	60 pieces	mono/dt

The data drawn up refers to the standard equipment and can, depending on additional equipment, vary.

Forest-milling-cutter FM 560

Drive power 140 – 260 hp | work depth up to 8 cm | wood up to 35 cm

The Forest-milling-cutter FM 560 of the lower mid-size category was designed for tractors with a drive power of 140 to 260 hp. Thanks to its oversized drive, the sturdy framework design, three counter blades of Hardox and the hydraulic flap with additional toothed bar of Hardox, it mills trees, scrub and waste wood at a depth of at least 8 cm.



Standard equipment:

- Walterscheid drive shaft
- hydraulic pressing lever
- resilient centre gearbox
- double-sided drive by V-belt
- oversized spherical roller bearings
- 3 counter blades of Hardox
- hydraulically adjustable tailgate with counter blades of Hardox
- mechanically adjustable skid plates of Hardox
- double chain screen as spray guard in front
- cylinder protector
- all tubes integrated in the frame
- quickly replaceable carbide tipped tools

Additional equipment:

- mechanical gear inclination
- replaceable wear plates of Hardox
- metal plates to screw to the chain screen
- screw-on tear-out teeth
- hydrodynamic turbo couplings

Optional mechanical gear inclination

- guarantees for the best possible angle of the drive shaft and increases the degree of impact for a better transmission of power

Work depth up to 8 cm

- by working the milled material up to a depth of 8 cm a homogenous surface is achieved. This results in a mineralisation of the soil, an accrual of new growth is reduced.

Model series FM

Model	working width	total width	weight	power class	power unit	number of tools	tool type
FM560/200	200 cm	247 cm	2500 kg	140-260 hp	8 V-belt	60 pieces	mono/dt
FM560/225	225 cm	272 cm	2750 kg	170-260 hp	8 V-belt	65 pieces	mono/dt
FM560/250	250 cm	297 cm	3000 kg	200-260 hp	8 V-belt	70 pieces	mono/dt

The data drawn up refers to the standard equipment and can, depending on additional equipment, vary.

Forest-milling-cutter FM 620

Drive power 220 – 360 hp | work depth up to 13 cm | wood up to 50 cm

The Forest-milling-cutter FM 620 of the upper mid-range category can be operated at a transmission of power between 220 and 360 hp. With its large rotor it crushes wood of up to a diameter of 50 cm at a work depth of at least 13 cm. Up to 4 counter blades of Hardox ensure optimal crushing of the material.



Standard equipment:

- Walterscheid drive shaft
- hydraulic pressing lever
- resilient centre gearbox
- double-sided drive by V-belt
- oversized spherical roller bearings
- 3 counter blades of Hardox
- hydraulically adjustable tailgate with counter blades of Hardox
- mechanically adjustable skid plates of Hardox
- double chain screen as spray guard in front
- cylinder protector
- all tubes integrated in the frame
- quickly replaceable carbide tipped tools

Additional equipment

- mechanical gear inclination
- hydrodynamic turbo couplings
- Skids for maximum work depth
- screw-on tear-out teeth
- replaceable wear plates of Hardox
- metal plates to screw to the chain screen

Optional hydrodynamic turbo couplings

- protect the tractor in sudden load peaks and allow for a smooth start of the rotor

Optional wear plates of Hardox

- protect the frame from the crushing bars and against damage and wear.

Model series FM

Model	working width	total width	weight	power class	power unit	number of tools	tool type
FM620/225	225 cm	273 cm	3400 kg	220-360 hp	10 V-belt	65 pieces	mono/dt
FM620/250	250 cm	298 cm	3700 kg	250-360 hp	10 V-belt	70 pieces	mono/dt
FM620/275	275 cm	335 cm	4000 kg	280-360 hp	12 V-belt	75 pieces	mono/dt

The data drawn up refers to the standard equipment and can, depending on additional equipment, vary.

Forest-milling-cutter FMH 680

Drive power 300 – 450 hp | work depth up to 16 cm | wood up to 60 cm

The Forest-milling-cutter FMH 680 is the heaviest construction of the new series of machines. It was developed for particularly powerful tractors of up to 450 hp. Its additionally enforced drive chain, the massive frame work of Hardox and an extra heavy duty rotor together form a machine to meet the highest demands.



Standard equipment:

- Walterscheid drive shaft
- hydraulic pressing lever
- resilient centre gearbox up to 450 hp
- double-sided drive by V-belt
- oversized spherical roller bearings
- 3 counter blades of Hardox
- hydraulically adjustable tailgate with counter blades of Hardox
- mechanically adjustable skid plates of Hardox
- double chain screen as spray guard in front
- cylinder protector
- all tubes integrated in the frame
- quickly replaceable carbide tipped tools

Additional equipment

- mechanical gear inclination
- metal plates to screw to the chain screen
- screw-on tear-out teeth
- replaceable wear plates of Hardox
- hydrodynamic turbo couplings
- Skids for maximum work depth

Sturdy components

- this is where storage, framework components, rotors and gears of the strongest category are used

Optimum mechanical gear inclination

- guarantees for the best possible angle of the drive shaft and increases the degree of impact for a better transmission of power.

Model series FMH

Model	working width	total width	weight	power class	power unit	number of tools	tool type
FMH680/225	225 cm	280 cm	4000 kg	300-450 hp	12 V-belt	65 pieces	mono/dt
FMH680/250	250 cm	298 cm	4300 kg	330-450 hp	12 V-belt	70 pieces	mono/dt
FMH680/275	275 cm	335 cm	4700 kg	360-450 hp	12 V-belt	75 pieces	mono/dt
FMH680/300	300 cm	370 cm	5000 kg	390-450 hp	14 V-belt	80 pieces	mono/dt

The data drawn up refers to the standard equipment and can, depending on additional equipment, vary.

Tools "SUT"

Schmidt-Universal-Tools

The new innovative tool series SUT has been developed in a new aggressive design. With this tool the very best crushing results with a maximum protection of the tool holders is achieved. The construction design of the tool, made of a high-strength base body with massive carbide tip, protects the wear-resistant tool.

Thanks to the unique shape, the tool is seated tightly to the tool holder. The new mounting of the tools with a hexagon bolt M 20 is a result of many years of experience and is economical for dismantling and mounting.

The new system -SUT- developed in practice for practice.

Tool Type DT



The tool "DT" is mounted as standard tool to all the Forest-milling-cutters and can, as option, also be mounted to Rotovator.

A very high crushing quality is achieved by the aggressive shape of the carbide tools.

This tool is also suitable for moderate tillage, root stocks and soft rock.

Tool Type Mono



The tool MONO is used in Rotovator for harder material. The large and massive carbide part of this tool crushes harder material at high penetration force and with a long service life.

This massive carbide-tipped tool has proved its worth in milling stones, concrete and tarmac and is mounted as standard in our Rotovators, model RFH

This tool can also be installed as option in all other model series.