

seppi m.®

MULCHING EQUIPMENT SPECIALISTS



Quality by Design

EXCAVATOR MOUNTED MULCHERS

**H-SML - H-SMO-B - H-SMWA-K
MINI-BMS - BMS-L - BMS-F
BMS - SUPER-BMS**

18 - 224 HP



INNOVATION

- > over 70 years experience, mulching equipment specialists since 1971
- > continuous research for new solutions and technologies
- > optimal material

QUALITY

- > every machine is tested before leaving the factory
- > use of the best components only
- > low wear

RELIABILITY

- > excellent working machines
- > easy maintenance
- > fast and efficient after sales service

EXCAVATOR MOUNTED MULCHERS



The excavator mounted mulchers come with hydraulic drive and have been made specifically for being mounted on excavator arms.

Get out to all those areas hard to reach! No matter whether marshlands, uneven grounds or steep slopes, with an excavator mounted mulcher you will clean it all!

The SEPPI mulchers for excavator mounting are great tools, especially suitable for remote greenspace maintenance, for road sides and river banks.

Is your job energy management and construction? An excavator mounted mulcher will help you maintain all types of power line. When preparing construction sites they will perfectly clear stumps, trunks and all other type of vegetation.

Excavator mounted mulchers by SEPPI M.:

- > for excavators from 2 to 35 tons
[4,400 to 77,000 lb]
- > mulch grass, brush and wood
up to 40 cm [16"] in diameter

excavator mounted mulchers for:

1 – greenspace maintenance

- H-SML
- H-SMO-B
- H-SMWA-K

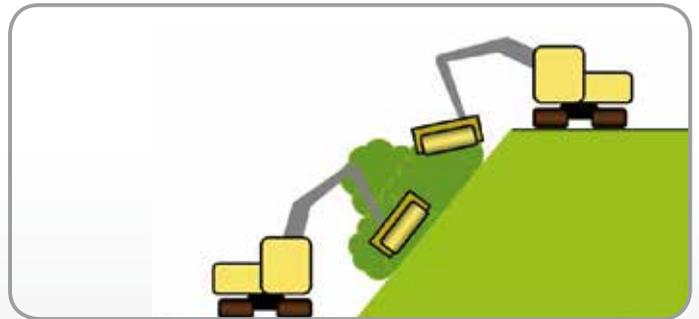
2 – light forestry mulchers

- H-SMWA-K
- MINI BMS
- BMS-L
- BMS-F

3 – heavy duty forestry mulchers

- BMS
- SUPER BMS

How to work with an excavator mounted mulcher by SEPPI M.?



Excavator mounted mulchers are great machines to maintain greenspace hard to reach otherwise. In the large range from light to heavy duty you will find the mulcher perfectly fitting your needs!

The range of excavator mounted mulchers by SEPPI M.

weight kg [lb]

3.000	[6.613]
2.500	[5.512]
2.000	[4.409]
1.500	[3.307]
1.000	[2.205]
900	[1.984]
800	[1.764]
700	[1.543]
600	[1.323]
500	[1.103]
400	[882]
300	[661]
200	[441]
100	[221]

SUPER-BMS

BMS

BMS-F BMS-L MINI-BMS

H-SMWA-K H-SMO-B

H-SML

necessary oil flow
l/min [US-gal/min]

0 50 [13] 100 [26] 150 [40] 200 [53] 250 [66] 300 [79] 350 [92] 400 [106]

seppi m.®

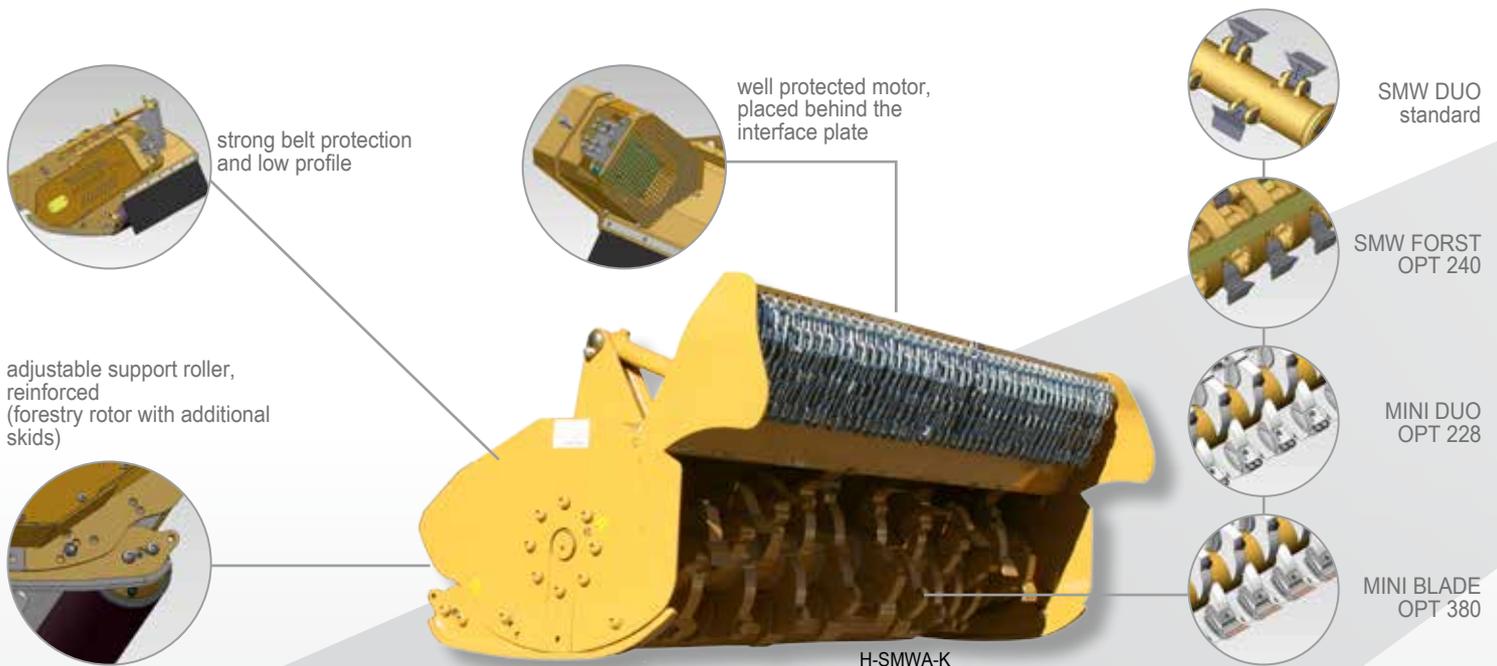
Excavator & mulcher. A winning couple for greenspace maintenance!

features	H-SML	H-SMO-B	H-SMWA-K
mulches grass and prunings up to	3 cm [1.2"] Ø 5 cm [2"] with OPT 039	7 cm Ø	5 cm [2"] Ø, 12 cm [5"] Ø with forestry rotor
for excavators	from 2 to 5 tons [4,400-11,000 lb]	from 5 to 13 tons [11,000-28,700 lb]	from 3 to 8 tons [6,000-16,000 lb]
transmission with hyd. motor*	S	S	S
predisposed for interface plate	S	S	S
indirect transmission with	2 or 3** belts	4 belts	3 or 4** belts
adjustable hood	X	rear	front
front protection	metal flaps	chains	chains
rear protection	rubber flap	rubber flap	rubber flap
adjustable support roller	S	S	S
standard rotor	flails SML on shackles	flails SMO	flails SMW DUO

S: standard - O: option - X: not available
* your SEPPi dealer can help you choose the right motor
** depending on the motor

The models H-SML, H-SMO-B and H-SMWA-K are strong and versatile mulchers for maintaining wasteland and areas difficult to access. These mulchers can be mounted on small and medium tracked excavators or excavators with tyres. A suitable hydraulic system is necessary for operation.

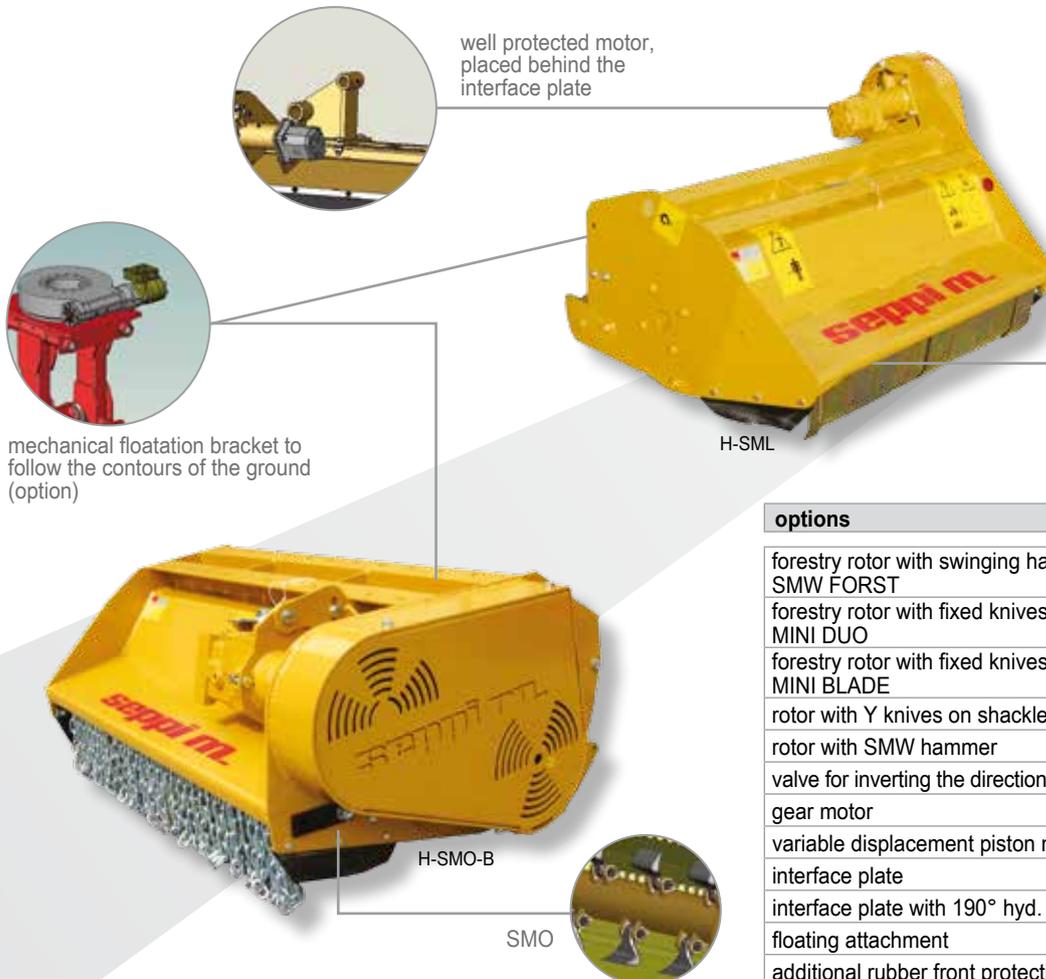
H-SMWA-K:
The new SMW DUO hammer allows the rotor to be operated in both directions. The new hammer is based on the hugely successful SMW hammer and will cut grass, hedges and bushes.



	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* standard kg [lb]	weight* with forestry rotor, kg [lb]	SMW DUO #	SMW FORST #	M.DUO M.BLADE #	roller Ø mm	oil flow l/min [gal/min]	max. pressure bar [PSI]	kW HP min-max
H-SMWA-K	85 [33]	100 [39]	95 [37]	65 [26]	280 [617]	370 [816]	9	13	18	152 [6]	30-80 [8-21]	350 [5,076]	22-52 30-70
	105 [41]	120 [49]	95 [37]	65 [26]	325 [717]	425 [937]	9	17	21				
	125 [49]	140 [55]	95 [37]	65 [26]	370 [816]	480 [1,058]	12	20	27				
	155 [61]	170 [67]	95 [37]	65 [26]	420 [926]	540 [1,190]	15	26	33				

* The weight of the machine refers to the standard, without options, and may vary.





The mulcher **H-SML** is ideal for mini-excavator to maintain small greenspace, riverbanks and canals. The metal flap protection is efficient while working in vertical positions.

mechanical floatation bracket to follow the contours of the ground (option)

well protected motor, placed behind the interface plate

SML

H-SML

H-SMO-B

SMO

options	H-SML	H-SMO-B	H-SMWA-K	OPT
forestry rotor with swinging hammers SMW FORST	X	X	O	240
forestry rotor with fixed knives MINI DUO	X	X	O	228
forestry rotor with fixed knives MINI BLADE	X	X	O	380
rotor with Y knives on shackles	O	X	X	031
rotor with SMW hammer	O	X	X	039
valve for inverting the direction of rotation	X	O	O	258
gear motor	S	X	X	*
variable displacement piston motor	O	O	O	*
interface plate	O	O	O	218
interface plate with 190° hyd. rotation	O	O	X	372
floating attachment	O	O	X	099
additional rubber front protection	O	O	X	006
flow control valve	O	X	X	188
hydraulically operated hood	X	X	O	398

S: standard - O: option - X: not available

* your SEPPi dealer can help you choose the right motor

The **H-SMO-B** is a robust and versatile mulcher for mounting on excavators; it mulches grass and wood up to 7 cm [2.8"] in diameter.

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	SML hammers #	SMW/SMO hammers #	roller Ø mm	oil flow l/min [gal/min]	max. pressure bar [PSI]	kW HP min-max
H-SML	60 [25]	72 [28]	100 [39]	61 [24]	150 [330]	9	6	133 [5]	44-104 [12-27]	250 [3,625]	18-25
	85 [33]	97 [38]	100 [39]	61 [24]	181 [400]	15	9				
	105 [41]	117 [46]	100 [39]	61 [24]	217 [478]	21	9				
	125 [49]	137 [54]	100 [39]	61 [24]	245 [540]	24	12				
H-SMO-B	125 [49]	140 [55]	120 [47]	60 [24]	383 [844]	X	12	133 [5]	41-140 [11-37]	250 [3,625]	25-40
	150 [59]	165 [65]	120 [47]	60 [24]	437 [963]	X	15				
	175 [69]	190 [75]	120 [47]	60 [24]	483 [1064]	X	18				
	200 [79]	215 [85]	120 [47]	60 [24]	535 [1179]	X	21				

* The weight of the machine refers to the standard, without options, and may vary.



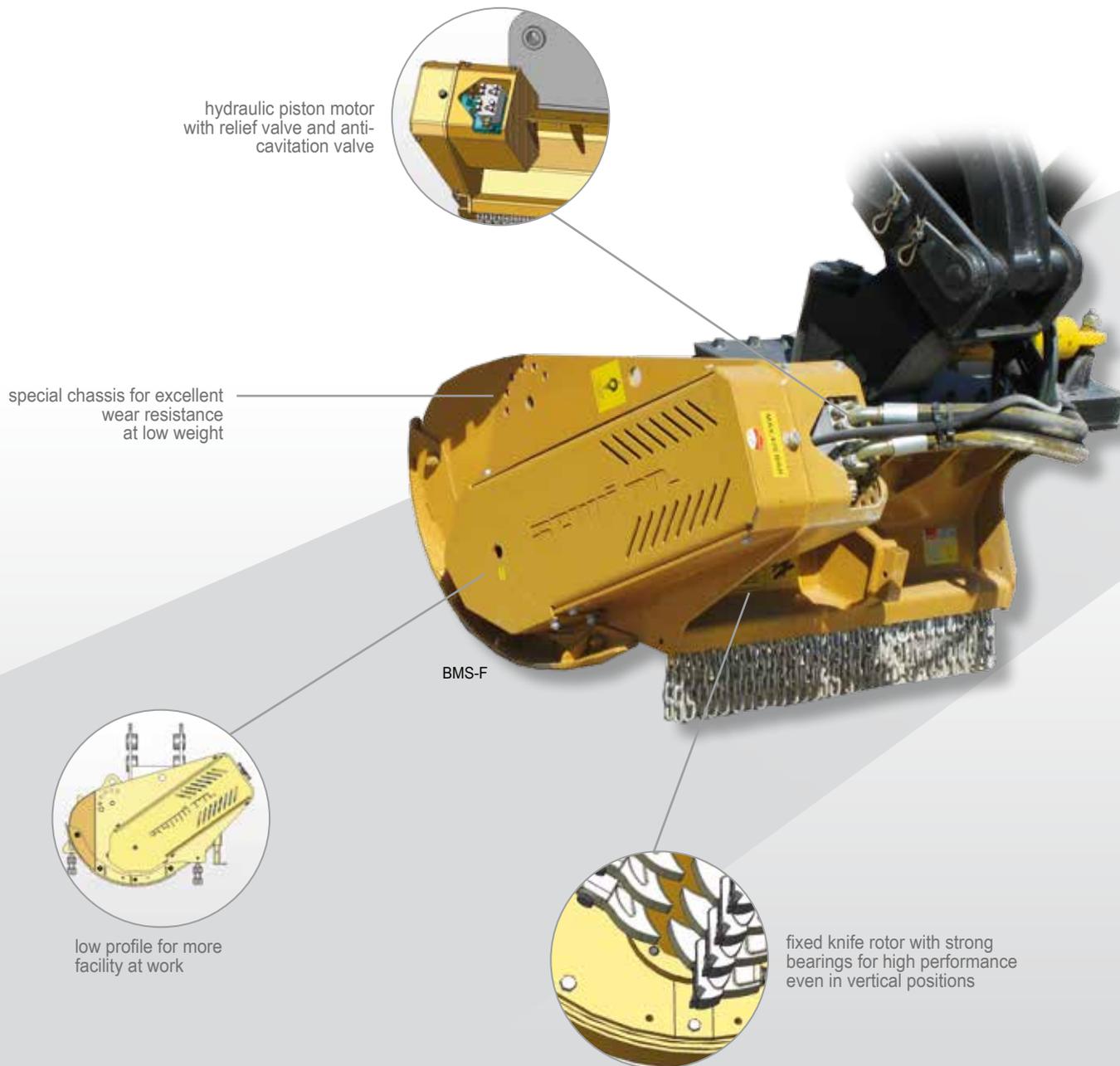
**Great power, little weight:
Easy to handle forestry mulching!**

features	MINI BMS	BMS-L	BMS-F
mulches vegetation up to	10 cm [4"] Ø	7 (12**) cm [2.8 (4.7**)"] Ø	20 cm [8"] Ø
for excavators	from 5 to 10 metr. tons [11,000-22,000 lb]	from 7 to 15 metr. tons [15,400-33,000 lb]	from 10 to 20 metr. tons [22,000-44,000 lb]
transmission with hyd. piston motor*	O	O	O
predisposed for interface plate	S	S	S
indirect transmission with	5 belts	5 belts	5 belts
hydraulic hood	S	S	O
skids	S	adjustable in height	adjustable in height
standard rotor	swinging hammers	SMO flails	MINI DUO fixed knives

S: standard - O: option - X: not available
* your SEPPi dealer can help you choose the right motor

The mulchers of this series have been developed for medium size excavators. Mounted on the arm of an excavator mulcher, these mulchers will show great results in greenspace maintenance on riverbanks, in the forest and in other areas difficult to reach.

The BMS-F was designed for special vehicles, for example on railways. When attached to the arm of a railway vehicle, the BMS-F is ideal for maintaining the vegetation alongside railways. The rotor is particularly strong to bear frequent vertical mulching. The BMS-F mulches wood up to 20 cm [8"] in diameter.

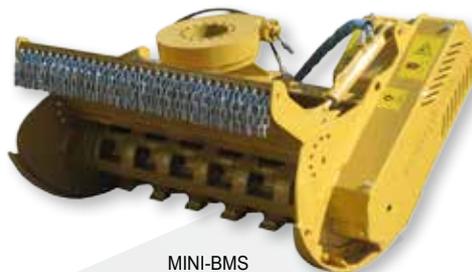
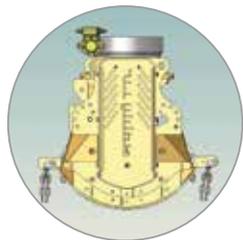


hydraulic piston motor with relief valve and anti-cavitation valve

special chassis for excellent wear resistance at low weight

low profile for more facility at work

fixed knife rotor with strong bearings for high performance even in vertical positions



MINI-BMS



BMS-L

The **MINI-BMS** is the lightest forestry mulcher in the SEPPi range of excavator mounted mulchers. Its light weight makes it ideal for long excavator arms. This way the mulcher will reach even far off spaces.

With its double adjustable hood, the model **BMS-L** can work in two directions. Many specific situations determined by the type of vegetation, the soil and the environment will thus be easy to handle! With its standard rotor, the BMS-L mulches brush up to 7 cm [2.8"] in diameter, with the optional forestry mulcher it mulches up to 12 cm [4.7"].

options	MINI BMS	BMS-L	BMS-F	OPT
swinging hammer forestry rotor	S	O	X	240
swinging hammer forestry rotor with tungsten tips	X	O	X	193
fixed knife forestry rotor with tungsten tips MINI DUO	O	O	S	228
valve for inverting the direction of rotation	O	O	X	258
variable displacement piston motor	O	O	X	*
bent axis piston motor	O	X	O	*
attachment interface	O	O	O	218
attachment interface with 190° hyd. rotation	O	O	O	372
attachment interface spider excavator	X	O	X	130
hydraulic rear hood	X	O	X	339
second openable hydraulic hood	X	O	X	340
valve to open the hood	O	O	O	158

S: standard - O: option - X: not available
* your SEPPi dealer can help you choose the right motor



	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	SMO-flail		swinging hammer		fixed knives MINI DUO		oil flow l/min [gal/min]	max. pressure bar [PSI]	kW HP min-max
					#	weight kg [lb]	#	weight kg [lb]	#	weight kg [lb]			
MINI BMS	85 [33]	100 [39]	103 [41]	72 [28]	X	X	13	405	18	415	48-138 [13-36]	350 [5,075]	30-50 40-67
	105 [41]	120 [47]	103 [41]	72 [28]	X	X	17	445	21	464			
	125 [49]	140 [55]	103 [41]	72 [28]	X	X	20	505	27	530			
BMS-L	100 [39]	131 [51]	80 [31]	73 [29]	9	450	15	678	21	600	37-156 [10-41]	250 [3,625]	25-40 35-54
	125 [49]	156 [61]	90 [35]	73 [29]	12	526	20	797	27	694			
	150 [59]	181 [71]	90 [35]	73 [29]	15	580	X	X	30	852			
BMS-F	100 [39]	128 [50]	105 [41]	72 [28]	X	X	X	X	21	565	67-152 [18-40]	350 [5,075]	40-60 54-80
	125 [49]	153 [60]	105 [41]	72 [28]	X	X	X	X	27	640			
	150 [59]	178 [70]	105 [41]	72 [28]	X	X	X	X	30	715			

* The weight of the machine refers to the standard, without options, and may vary.



Get the most out of your excavator. With these superior SEPPi mulchers!

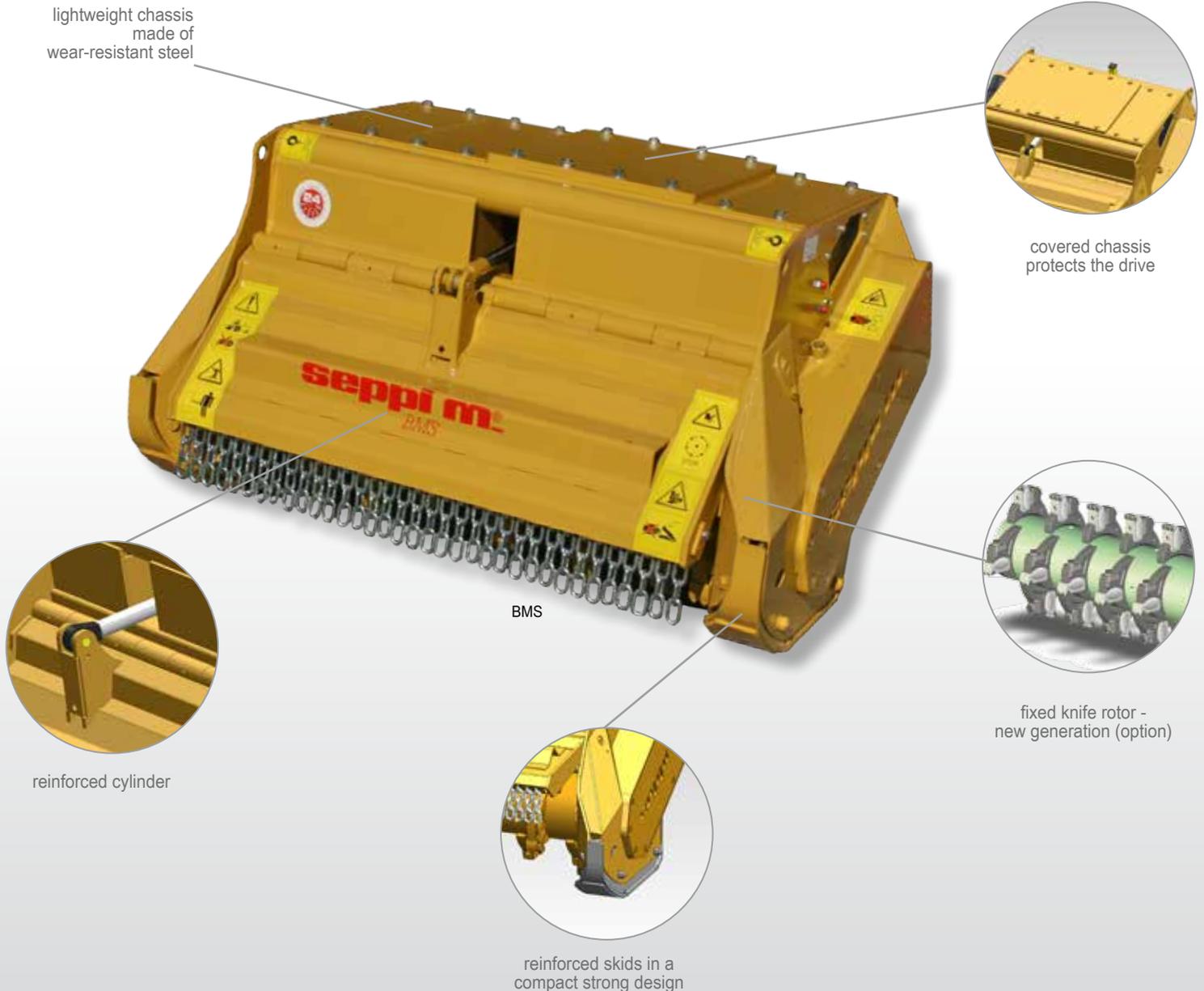
features	BMS	SUPER-BMS
mulches wood up to	25 cm [10"] Ø	40 [16"] cm Ø
for excavators	from 13 to 25 tons [28,700-55,100 lb]	from 20 to 35 tons [44,000-77,200 lb]
transmission with hyd. piston motor*	S	S
predisposed for interface plate	S	S
indirect transmission with	5 belts	10 belts
hydraulic hood	S	S
skids	adjustable	adjustable
standard rotor	forestry rotor with swinging hammers	forestry rotor with fixed knives

S: standard - O: option - X: not available
* your SEPPi dealer can help you choose the right motor

These mulchers are highly powerful and shall be applied to high performance excavators.

The **BMS** and **SUPER-BMS** are ideal for real tough jobs in the forest, along power lines and on construction sites. Especially in the forest these are great tools for clearing slash after the wood harvest.

Even big stumps and wood up to 25 cm [10"] and 40 [16"] cm in diameter are easy to remove!





SUPER-BMS

options	BMS	SUPER BMS	OPT
swinging hammer rotor with tungsten tips	O	X	193
fixed knife rotor MINI DUO with 2 tungsten tips	O	O	228
bent axis piston motor	O	O	*
interface plate	O	O	218
interface plate with 190° hyd. rotation	O	X	372
additional front rubber protection	O	X	006
valve to open the hood	O	O	158

S: standard - O: option - X: not available
* your SEPPi dealer can help you choose the right motor



	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	swinging hammers #	fixed knives MINI DUO #	oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
BMS	100 [39]	131 [52]	105 [41]	85 [33]	920 [2,028]	15	20	67-267 [18-71]	350 [5,075]	51-109	70-150
	125 [49]	156 [62]	105 [41]	85 [33]	1.040 [2,292]	20	28				
	150 [59]	181 [71]	105 [41]	85 [33]	1.120 [2,468]	24	32				
SUPER BMS	150 [59]	192 [75]	120 [48]	105 [41]	2.565 [5,656]	X	34	183-367 [48-97]	350 [5,075]	82-165	112-224
	175 [69]	217 [85]	120 [48]	105 [41]	2.825 [6,230]	X	36				
	200 [79]	242 [95]	120 [48]	105 [41]	3.085 [6,803]	X	42				

* The weight of the machine refers to the standard, without options, and may vary.



INSTALLATION

The installation of hydraulic mulchers on an excavator requires some technical skills and knowledge. This page gives most information needed for the set-up and installation of your machine. Nevertheless, we recommend to refer to the user manual for a detailed description and safety procedures.

Flow of the hydraulic circuit

SEPPI M. always recommends an independent hydraulic circuit for the mulcher with a constant and sufficient flow. This can be achieved by the following means:

1. Independent circuit with pump dedicated to mulcher
2. Circuit with priority flow for mulcher
3. Circuit with flow control valve for mulcher (only suitable for mulching grass)

Which solution is most suitable will have to be defined on case by case basis depending on the available excavator and the required mulching power. Contact the manufacturer or dealer of the excavator or your SEPPI dealer for more information.

Attachment interface

Mulchers for excavators can be supplied with a universal interface that can accept different attachment plates, depending on the excavator used. For details or drawings of the universal interface please ask your SEPPI dealer.

Weight

The excavator must be able to carry the weight of the mulcher as indicated on the ID plate. For many excavators a good approximation is: excavator weight $\geq 15 \times$ mulcher weight

Pressure

To avoid overheating the circuits, the system pressure should never exceed the specified maximum pressure. However, all hydraulic motors delivered by SEPPI are equipped with top mounted pressure relief valves set to the right pressure.

Case drain pressure

All motors delivered by SEPPI are high performance piston motors which need a case drain connection to the tank. The case drain pressure must never exceed the values specified in the table below!

model	drainage pressure
H-SML, H-SMO-B, H-SMWA-K, BMS-L, MINI BMS	max. 1.5 bar [21 PSI]
MINI BMS, BMS-F, BMS, SUPER BMS	max. 5 bar [70 PSI]

Hydraulic hoses and connections

To install the machine on the prime mover or compact loader, the hydraulic pipes and hoses have to be made on site. For the diameter of the hoses take the following table as a reference:

Direction of the rotor

The direction is defined on each model.

Some mulchers can optionally be fitted with an additional valve which allows the motor to run in both directions. This will reverse the rotation of the rotor, so swinging hammer rotors will cut in either direction with suitable extra guarding.

pipes and hoses	recommended diameter				
	25-50 l/min [7-13 US gal/min]	50-100 l/min [13-26 US gal/min]	100-200 l/min [26-53 US gal/min]	200-400 l/min [53-106 US gal/min]	400-800 l/min [106-211 US gal/min]
pressure (P)	3/4"	1"	1 1/2"	2 1/2"	2 x 2 1/2"
return (T)	3/4"	1"	1 1/2"	2 1/2"	2 x 2 1/2"
drainage (D)	1/2"	3/4"	1"	1"	1"

Hydraulic hood control

On forestry mulchers the hood can be opened or closed hydraulically. This requires an additional directional valve. On request this valve can be delivered by SEPPI.

Cavitation

Cavitation happens when the motor runs "dry", e.g. the hydraulic flow is interrupted but the mulcher continues to rotate. To prevent damages to the motor due to cavitation, all motors are equipped with an "anti-cavitation" valve mounted on top.

Open or closed loop

All hydraulic SEPPI mulchers can be installed on either open or closed loop systems. Closed loop circuits sometimes need extra flushing valves for cooling. In that case please contact your SEPPI dealer or the SEPPI technical department.

Safety

SEPPI M. requests to have ROPS/ FOPS standard protected cabins and to follow all the safety instructions listed in the user manual.



H-SML



H-SMO-B



MINI BMS

ROTORS AND HAMMERS



SWINGING HAMMER rotor



FIXED KNIFE rotor narrow



different hammer sizes, according to the model
 standard on **MINI BMS** and **BMS**
 optional on **H-SMWA-K** and **BMS-L**



MINI DUO
 standard on **BMS-F**
 optional on **H-SMWA-K**, **MINI BMS**,
BMS-L, **BMS** and **SUPER BMS**



MINI BLADE
 optional on
H-SMWA-K



hammer rotor



BMS



SUPER BMS

The information and images contained in the present documentation are to be considered reference values. SEPPI M. may carry out even substantial changes without previous notification.



SML hammer on shackle

standard on
H-SML



Y knife on shackle

optional on
H-SML



SMW hammer

optional on
H-SML



SMO hammer

standard on
H-SMO-B



SMW DUO hammer

standard on
H-SMWA-K



BMS-L



BMS



SUPER BMS

The Advantage of High Quality

Mulching Equipment Pioneers

Founded in 1939 by Max Seppi, SEPPi M. is now one of the foremost manufacturer in its sector - not only in Europe, but worldwide. A pioneer like no other, SEPPi has been manufacturing mulching equipment for more than 40 years. SEPPi's mission is "To improve the professional's work through innovative and efficient solutions".

The many years of experience, together with the tireless research for more advanced technologies and more resistant materials result in the premium quality of the SEPPi equipment with tough machines that are reliable even under extreme working conditions.

The biggest gratification over the past 70 years has been our satisfied customers, who have benefitted from long and efficient work with the SEPPi equipment – a continuous motivation to keep on focusing on high quality! The family-based character of the company today being led by the third generation, stands for fair and responsible business relationships.

Discover the many advantages of owning SEPPi equipment!



AGRICULTURAL, FORESTRY AND INDUSTRIAL MOWERS

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AUTHORIZED DEALER

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