

seppi m.®

THE BEST FOR FARM & FOREST

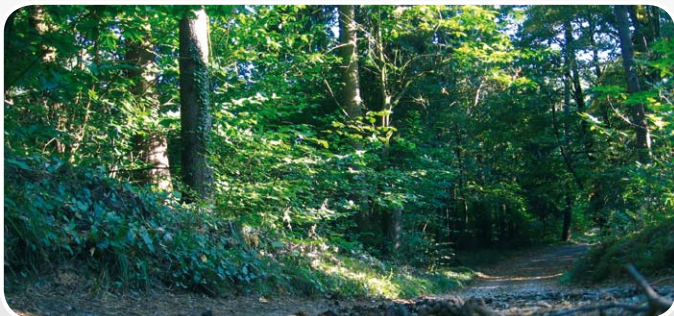


Quality by Design

HYDRAULIC DRIVE MULCHERS

**SMWA SKID STEER - SMO SKID STEER
MINIFORST SKID STEER - MIDIFORST SKID STEER
MIDIFORST DT - STARFORST
SUPERFORST**

27 - 550 HP



INNOVATION

- > nearly 70 years experience
- > 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

Hydraulic Drive Mulchers

For Compact Loaders, Skid Steers, Wheeled and Tracked Hydraulic Drive Prime Movers

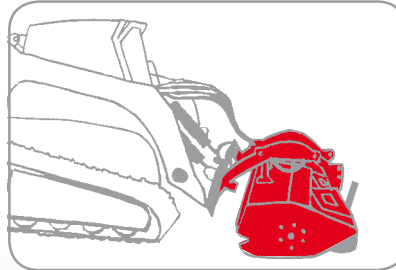


- > Up to 550 HP.
- > Mulchers with hydraulic transmission have been developed specifically for hydraulic prime movers and skid steer loaders, no matter whether in forestry, in greenspace maintenance or in agriculture.
- > The combination of a SEPPi mulcher with a hydraulic prime mover helps maintain steep and otherwise inaccessible areas – so you can mulch those hard to reach areas with confidence.
- > SEPPi mulchers with hydraulic transmission are ideal for clearing slash in forests, maintaining rights of way, public greenspace, roadsides, electric lines, pipelines. In the forest they're especially helpful in fire prevention and for restoring areas damaged by storms.
- > Hydraulically driven mulchers grind up branches, bushes and trees from 5 to 50 cm [2-20"] in diameter.

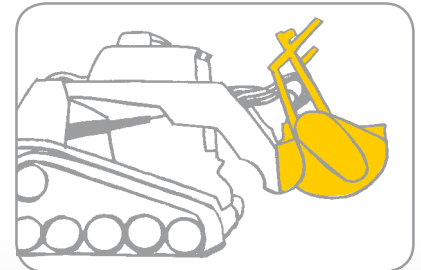
"Our SEPPi SUPERFORST 250, mounted on a hydraulic carrier is seriously out producing and performing our other mulcher. It seems to be the perfect combination of head and machine. Since its purchase, tooth costs have been cut in half. We work in everything from muskeg with water halfway up the tractor – to right of way maintenance with 20" plus stumps. It is just great everywhere!"

Mike Daniels, Canada contractor

How to work with hydraulically driven mulchers?

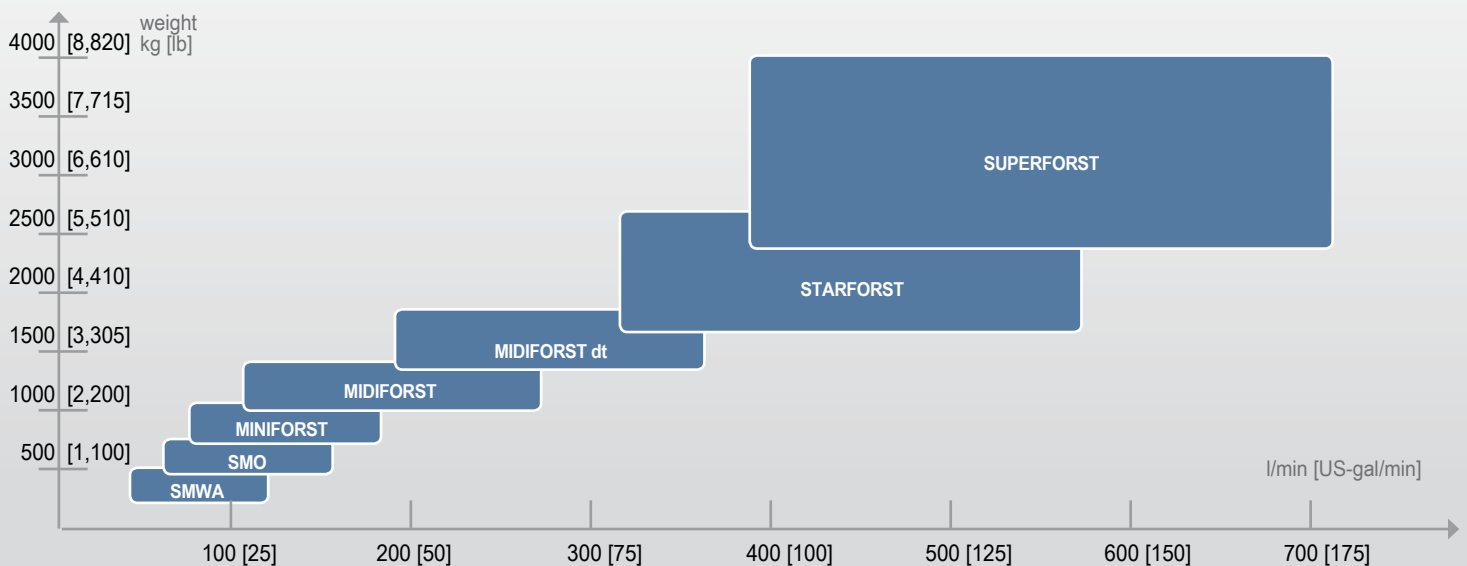


hydraulic drive flail mulcher on skid steer



hydraulic drive forestry mulcher on skid steer

The SEPPi range of hydraulically driven mulchers:



Professional greenspace maintenance on compact loaders.

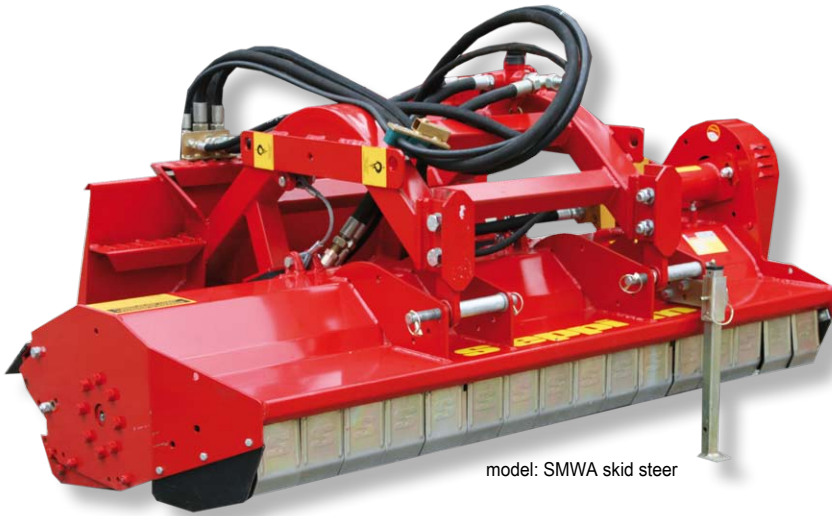
features		SMWA skid steer	SMO skid steer
mulches grass and brush up to working speed		5 cm [2"] Ø 3 - 5 km/h	7 cm [2.8"] Ø 3 - 5 km/h
SAE skid steer attachment interface		floating to follow the contours of the ground	floating to follow the contours of the ground
transmission		hydraulic	hydraulic
motor		variable displacement, choice among different types	variable displacement, choice among different types
number belts	up to L=155	3	5
	from L=175	4	5
adjustable rear hood		S	S
front protection		metal flaps (OPT 181) or chains (OPT 025)	metal flaps (OPT 181) or chains (OPT 025)
rear protection		rubber flap	rubber flap
support roller, adjustable in height		5 cm [2"]	5 cm [2"]
standard rotor with		SMW hammers	SMO hammers

S: standard

The compact loaders mulchers „SMWA skid steer„ and „SMO skid steer“ mulch grass and brush up to 5 cm [2"] and 7 cm [2.8"] in diameter.

These machines are particularly suitable for the maintenance of greenspace. They will efficiently cut and mulch grass and light brush. Typical applications would be on construction sites, in parks, on roadsides and on farms.





model: SMWA skid steer

„SMWA skid steer“ and „SMO skid steer“ have a strong chassis, counterknives, support roller, adjustable rear hood and all other standards of the SEPPI mulchers.

options	SMWA sks	SMO sks	OPT
rotor with 3 Y flails without shackles	O	O	030
variable displacement piston motor with relief valve	O	O	-

O: option

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	standard flails #	Y flails (OPT 030) #	recomm. oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
SMWA skid steer	155 [61]	167 [66]	90 [35]	95 [37]	415 [915]	15	21	45-100 [12-26]	250 [3625]	20-40	27-55
	175 [69]	187 [74]	90 [35]	95 [37]	465 [1025]	18	24				
	200 [79]	212 [83]	90 [35]	95 [37]	495 [1090]	21	30				
SMO skid steer	150 [59]	165 [65]	110 [43]	110 [43]	565 [1245]	15	21	60-140 [16-37]	250 [3625]	25-63	33-85
	175 [69]	190 [75]	110 [43]	110 [43]	637 [1405]	18	24				
	200 [79]	215 [85]	110 [43]	110 [43]	685 [1510]	21	30				

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

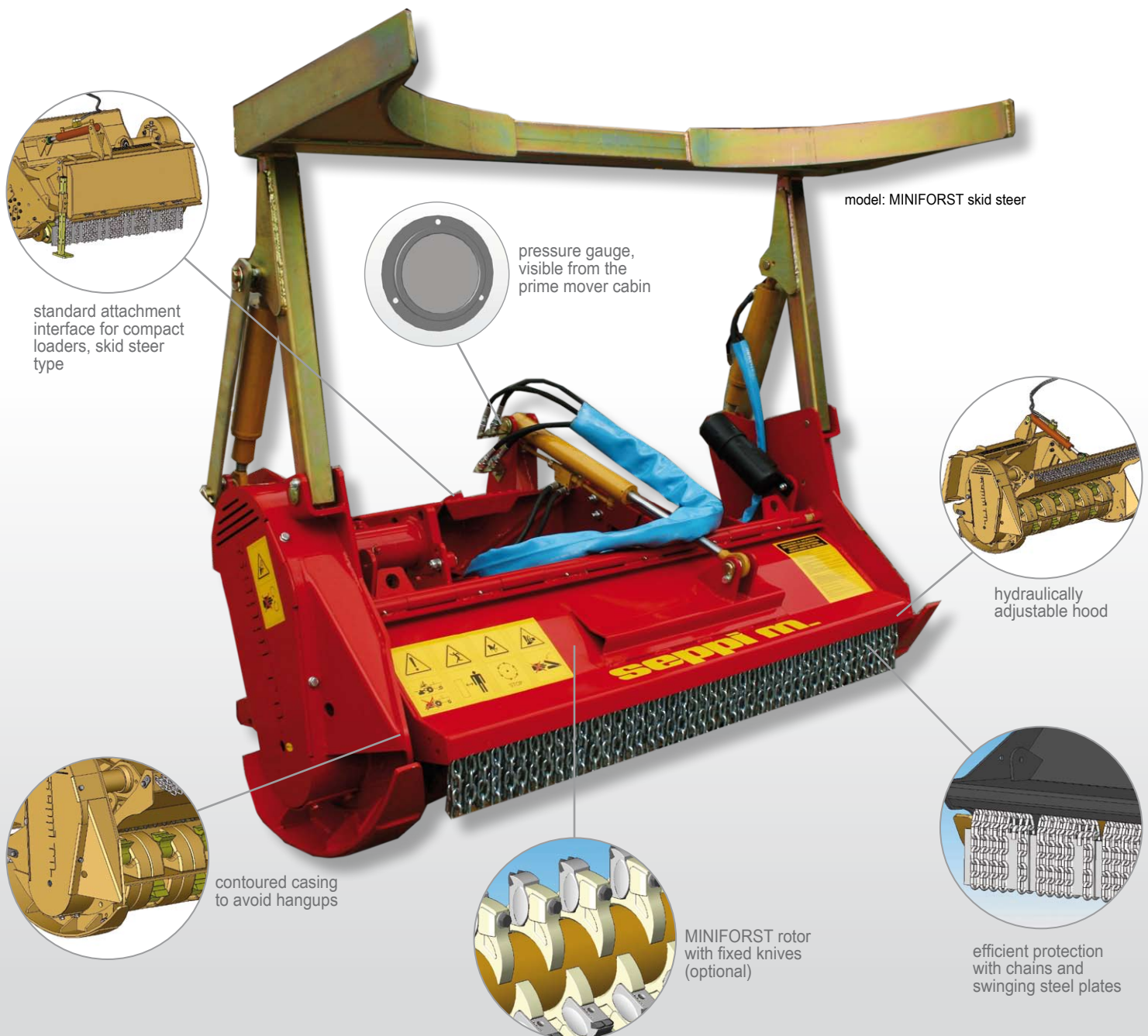


Get rid of wood and brush – with your skid steer loader!

features	MINIFORST skid steer	MIDIFORST skid steer
mulches grass and brush up to	12 cm [4.7"] Ø	25 cm [10"] Ø
working speed	0 - 5 km/h	0 - 5 km/h
SAE skid steer attachment interface	fixed	fixed
transmission	hydraulic	hydraulic
motor	variable displacement, choice among different types	fixed displacement, choice among different types
number belts	5	5
hydraulic hood	S	S
front and rear protection	chains with plates	chains with plates
standard rotor with	swinging hammers	swinging hammers

S: standard

These skid steer mulchers are suitable not just for forestry jobs but for all sort of greenspace maintenance with vegetation such as branches, tree trunks and stumps to eliminate. These mulchers will grind up wood and leave a fine mulch behind, soon decomposing into precious soil.





„MINIFORST skid steer“ and „MIDIFORST skid steer“ are compact but powerful forestry mulchers to be attached to skid steer loaders.



model: MINIFORST skid steer

	MINIFORST skid steer	MIDIFORST skid steer	OPT
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options	MINIFORST skid steer	MIDIFORST skid steer	OPT
rotor with 3 Y flails without shackles	O	X	030
fixed knife rotor with 2+1 tungsten tips	X	O	214
fixed knife rotor with 2 tungsten tips	O	O	228
guard frame	O	O	014
hydraulic guard frame	O	X	131
variable displacement piston motor with relief valve	O	X	-
fixed displacement bent axis piston motor with relief valve	X	O	-

O: optional - X: not available

	working width cm [“]	overall width cm [“]	depth cm [“]	height cm [“]	weight* kg [lb]	swinging hammers #	fixed knives (OPT 214) #	fixed knives (OPT 228) #	recomm. oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
MINIFORST skid steer	150 [59]	174 [69]	115 [45]	110 [43]	885 [1951]	24	X	30	50-110 [13-29]	250 [3625]	35-74	47-100
	175 [69]	199 [78]	115 [45]	110 [43]	970 [2140]	29	X	33				
	200 [79]	224 [88]	115 [45]	110 [43]	1095 [2415]	33	X	36				
MIDIFORST skid steer	150 [59]	179 [71]	112 [44]	120 [47]	1120 [2470]	24	24	32	90-140 [24-37]	350 [5075]	59-88	80-120
	175 [69]	204 [80]	112 [44]	120 [47]	1240 [2730]	30	28	40				
	200 [79]	229 [90]	112 [44]	120 [47]	1360 [3000]	33	32	44				

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



A winning recipe: Attach high performers to high performers!

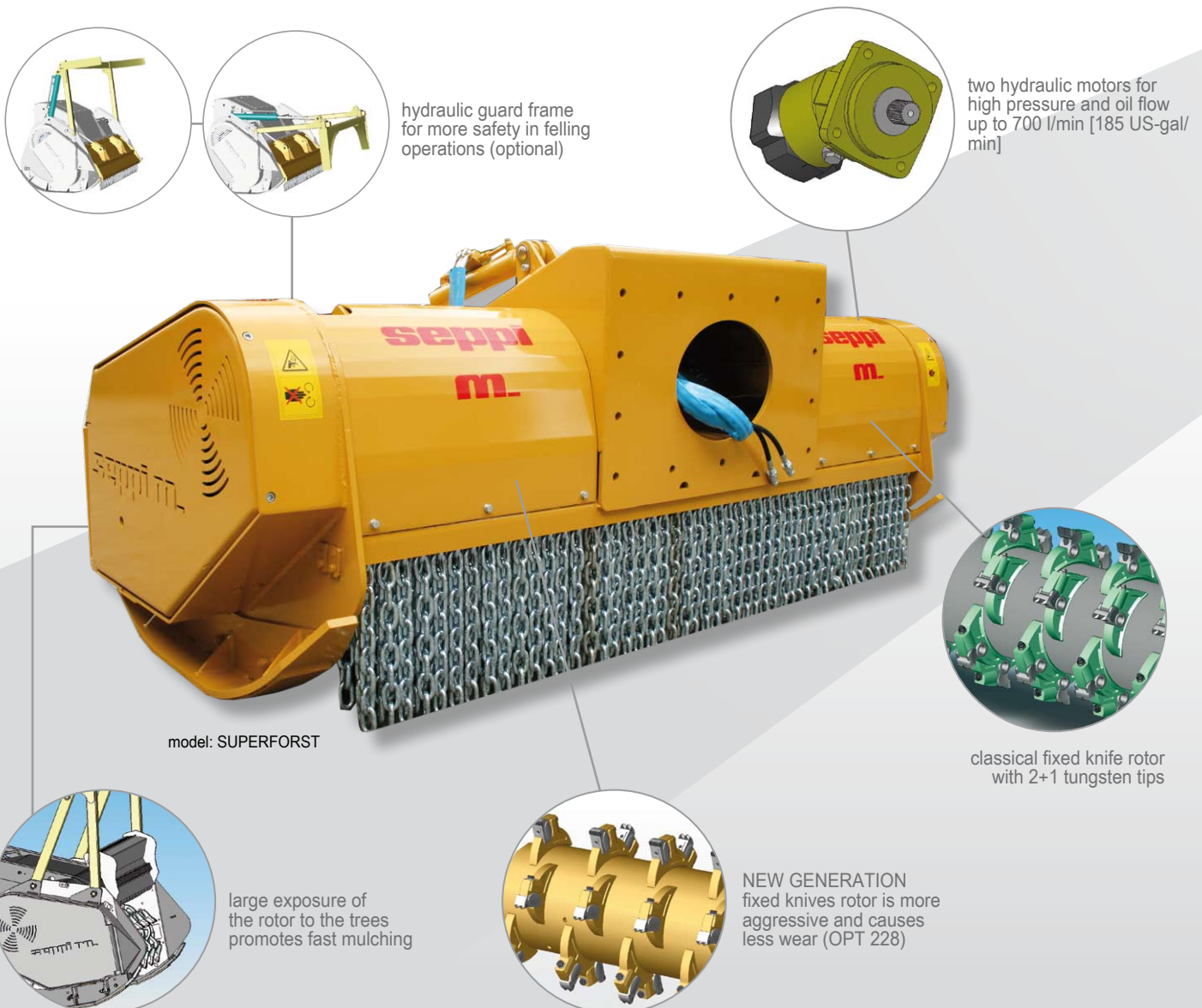
features	MIDIFORST dt	STARFORST	SUPERFORST
mulches brush and wood up to working speed	30 cm [12"] Ø 0-5 km/h	40 cm [16"] Ø 0-5 km/h	50 cm [20"] Ø 0-5 km/h
attachment interface	3-point linkage or universal attachment interface	3-point linkage or universal attachment interface	3-point linkage or universal attachment interface
transmission	double hyd. motor	double hyd. motor	double hyd. motor
motor	piston motor with relief valve, choice among different types	piston motor with relief valve, choice among different types	piston motor with relief valve, choice among different types
number belts	10	10	10
hydraulic hood	S	S	S
skids, adjustable in height	5 cm [2"]	5 cm [2"]	not adjustable
front and rear protection	chains with plates	chains with plates	chains with plates
standard rotor	swinging hammers	fixed knives with 2 tungsten tips	swinging hammers

S: standard

MIDIFORST dt is the classical SEPPi forestry mulcher. Professionals around the world love it, no matter whether with hydraulic or mechanical drive!

STARFORST is a compact and powerful forestry mulcher with an especially aggressive new rotor.

SUPERFORST is the top performer in the SEPPi forestry range for hydraulic prime movers.





model: STARFORST



model: MIDIFORST dt

options	MIDIFORST dt	STARFORST	SUPERFORST	OPT
swinging hammer rotor with tungsten tips	S	X	S	240
fixed knife rotor with 2+1 tungsten tips	O	X	O	214
fixed knife rotor with 2 tungsten tips	O	S	O	228
ISO 3-point linkage	S	S	S	-
universal attachment interface to be adapted to any kind of prime mover	O	O	O	047
guard frame	O	O	O	014
hydraulic guard frame	O	O	O	131
reinforced hydraulic guard frame "ALBERTA"	X	O	O	191
narrow skids	O	O	O	182

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

	working width cm ["]	overall width cm ["]	depth cm ["]	height cm ["]	weight* kg [lb]	swinging hammers #	fixed knives (OPT 214) #	fixed knives (OPT 228) #	recomm. oil flow l/min [US-gal/min]	max. pressure bar [PSI]	kW min-max	HP min-max
MIDIFORST dt	200 [79]	233 [92]	128 [50]	115 [45]	1500 [3300]	33	32	44	200-300 [53-79]	350 [5075]	110-220	150-290
	225 [89]	258 [102]	128 [50]	115 [45]	1930 [4255]	38	36	48				
	250 [98]	283 [111]	128 [50]	115 [45]	2150 [4740]	42	40	52				
STARFORST	200 [79]	244 [96]	140 [55]	115 [45]	2500 [5510]	X	X	48	300-500 [79-131]	350 [5075]	170-330	230-440
	225 [89]	269 [106]	140 [55]	115 [45]	2700 [5950]	X	X	52				
	250 [98]	294 [116]	140 [55]	115 [45]	3000 [6610]	X	X	56				
SUPERFORST	200 [79]	244 [96]	140 [55]	125 [49]	3300 [7280]	41	36	42	300-700 [79-184]	400 [5800]	190-410	250-550
	225 [89]	269 [106]	140 [55]	125 [49]	3600 [7940]	47	42	48				
	250 [98]	294 [116]	140 [55]	125 [49]	3900 [8600]	52	45	54				

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



INSTALLATION

The installation of hydraulic mulchers on a prime mover or loader 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.

Attachment interface

Mulchers for skid steer loaders have a standard SAE interface, which will fit most loaders worldwide. All other mulchers can be equipped with either a universal interface or an ISO 3-point linkage.

The universal interface can be adapted to all kinds of prime mover, including those with 3-point linkages and those with 4-point linkages. For details or drawings of the universal interface please ask your SEPPI dealer.

Pressure

To avoid overheating the circuits the system pressure should never exceed the indicated maximum pressure. However, all hydraulic motors delivered by SEPPI are equipped with top mounted pressure relieve 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
SMWA skid steer, SMO skid steer MINIFORST skid steer	max. 1.5 bar [21 PSI]
MIDIFORST skid steer, MIDIFORST dt STARFORST, SUPERFORST	max. 5 bar [70 PSI]

Flow

The efficiency of the mulcher depends mostly on the speed of the rotor. The speed depends on the flow available from the prime mover and on the size of the hydraulic motors installed.

Upon demand, your SEPPI dealer can help you to define which of the available motors will best fit the hydraulic circuit on your prime mover or compact loader.

Safety

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

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.

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:

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

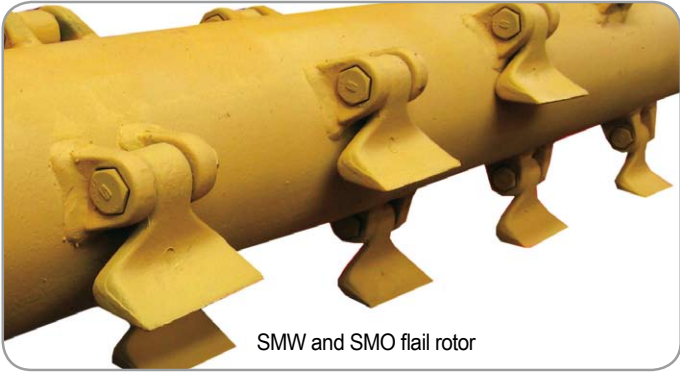
Cavitation happens when the motor runs "dry", e.g. the hydraulic flow is interrupted but the mulcher continues to rotate. To prevent damages to the motor due to cavitation all motors are equipped with an "anti-cavitation" valve mounted on top.

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.

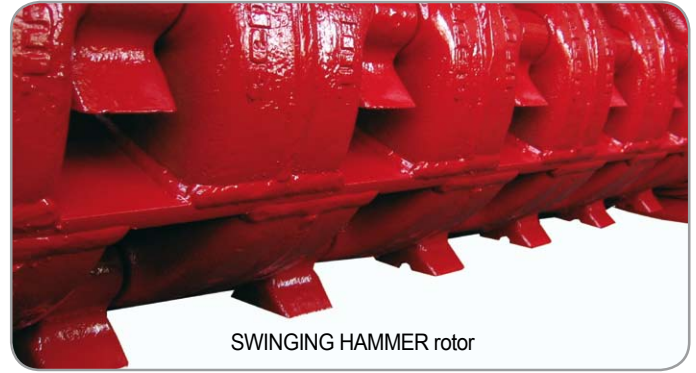


ROTORS AND HAMMERS



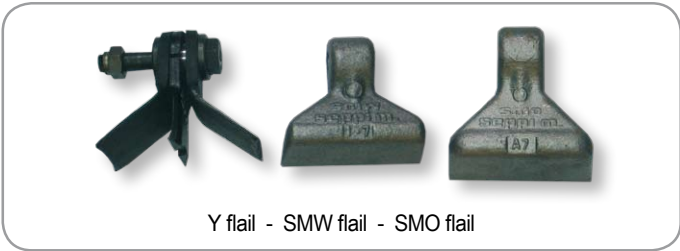
SMW and SMO flail rotor

standard on **SMWA skid steer** and **SMO skid steer**
optional on **MINIFORST skid steer**



SWINGING HAMMER rotor

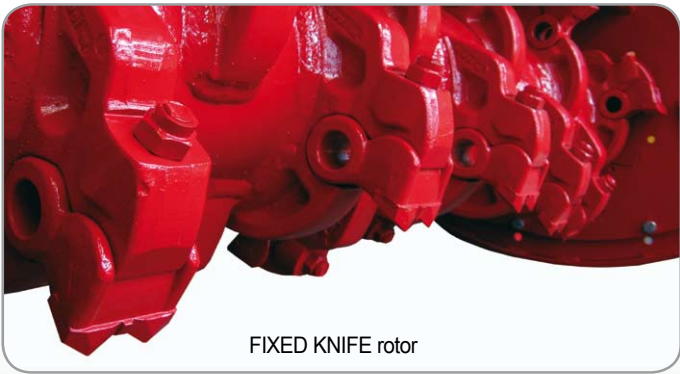
standard on **MINIFORST skid steer**, **MIDIFORST skid steer**,
MIDIFORST dt and **SUPERFORST**



Y flail - SMW flail - SMO flail

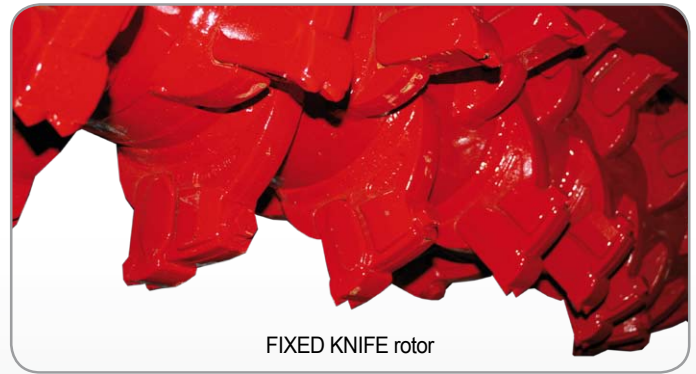


different hammer sizes, according to model



FIXED KNIFE rotor

optional on **MIDIFORST skid steer**, **MIDIFORST dt**, **SUPERFORST**



FIXED KNIFE rotor

standard on **STARFORST**, optional on **MINIFORST skid steer**,
MIDIFORST skid steer, **MIDIFORST dt**, **SUPERFORST**



hammer with 2+1 tungsten tips
different hammer sizes, according to model



hammer with 2 tungsten tips

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



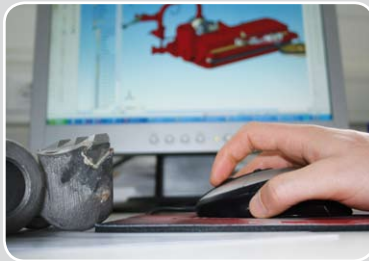
The Advantage of High Quality

Founded in 1939 by Max Seppi and specializing in the manufacture of mowers since 1970, SEPPI M. is now one of the foremost manufacturers in its sector – not only in Italy, but throughout the world.

“The best for farm and forest” – SEPPI’s motto commit the company to the manufacture of only the best equipment whether for agriculture, forestry or greenspace maintenance.

The decades of experience and tireless research for better technology and materials guarantee products of the highest quality which will provide unrivalled service even in hard conditions.

Discover the advantages offered by the equipment of SEPPI M.!



AGRICULTURAL, FORESTRY AND INDUSTRIAL MULCHERS

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AUTHORIZED DEALER

Ask our team for further information