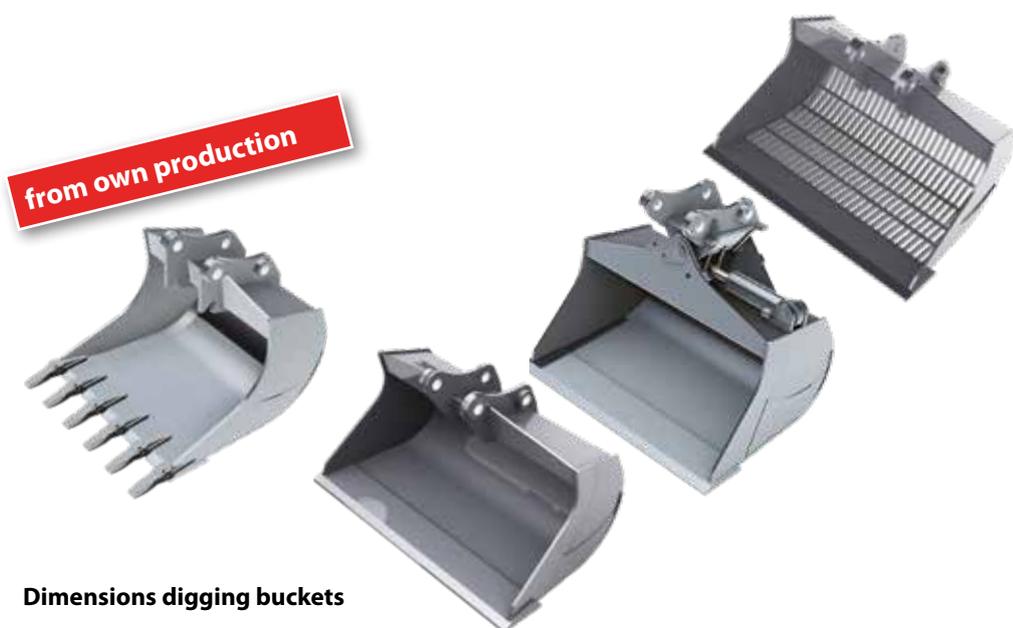


The accessory programme
of the king's class.

menzi
muck



The buckets



Design

We have gone for the original Hardox bucket - a quality tool in a tough design. The buckets certified with the „Hardox in my Body“ label have a guaranteed long life expectancy.

Kinematics

We have also chosen the correct kinematics. Opening and closing angles are designed specifically for the Menzi Muck.

Blades and side blades

The buckets are constructed with wear-resistant, fine-grained steel blades (Hardox 400). The blade width is matched to the span of the bucket. This achieves outstanding stability.

Bucket base

The bucket base is also produced from anti-wear Hardox 400. Additional Hardox anti-wear strips reinforce the Hardox bases on the backhoes.

Grading bucket

The hydraulic slewable grading buckets are fitted with a large-dimension cylinder featuring check valves. They can be swivelled 50 degrees to both left and right.

Upon request ...

all buckets are available with alternative cutting widths, without teeth (blade only), with attaching blades and various quick-change mountings.

Dimensions digging buckets

Menzi Muck	Cutting width	Weight	Capacity	Blade	Bucket base	Teeth
M5	400 mm	211 kg	170 l	30 x 250 mm	8+8 mm	3
M5	600 mm	271 kg	420 l	30 x 250 mm	8+8 mm	4
M5	800 mm	320 kg	525 l	30 x 250 mm	8+8 mm	5
M5	1000 mm	375 kg	550 l	30 x 250 mm	8+8 mm	6
M3	400 mm	170 kg	140 l	25 x 200 mm	6+6 mm	3
M3	600 mm	210 kg	230 l	25 x 200 mm	6+6 mm	4
M3	800 mm	250 kg	330 l	25 x 200 mm	6+6 mm	5
M3	1000 mm	300 kg	430 l	25 x 200 mm	6+6 mm	6
M2	300 mm	136 kg	90 l	20 x 200 mm	6+8 mm	3
M2	400 mm	157 kg	130 l	20 x 200 mm	6+8 mm	3
M2	500 mm	182 kg	160 l	20 x 200 mm	6+8 mm	4
M2	600 mm	202 kg	200 l	20 x 200 mm	6+8 mm	4
M2	700 mm	221 kg	230 l	20 x 200 mm	6+8 mm	4
M2	800 mm	247 kg	270 l	20 x 200 mm	6+8 mm	5
M2	900 mm	266 kg	300 l	20 x 200 mm	6+8 mm	5
M2	1000 mm	291 kg	350 l	20 x 200 mm	6+8 mm	6
M2	1100 mm	309 kg	385 l	20 x 200 mm	6+8 mm	6

Dimensions grading bucket rigid

Menzi Muck	Cutting width	Weight	Capacity	Blade	Bucket base
M5	1300 mm	360 kg	540 l	30 x 250 mm	10 mm
M5 / M3	1500 mm	420 kg	680 l	30 x 250 mm	12 mm
M3	1300 mm	295 kg	420 l	25 x 200 mm	10 mm
M2	1400 mm	240 kg	320 l	25 x 200 mm	8 mm

Dimensions grading bucket hydraulically slewable

Menzi Muck	Cutting width	Weight	Capacity	Blade	Bucket base
M5	1400 mm	570 kg	590 l	30 x 250 mm	12 mm
M3	1200 mm	470 kg	420 l	25 x 200 mm	10 mm
M2	1400 mm	309 kg	320 l	25 x 200 mm	8 mm

Dimensions sifting bucket

Menzi Muck	Cutting width	Weight	Capacity	Blade	Partition width	Partition pitch
M5 / M3	1300 mm	360 kg	540 l	30x250 mm	8 mm	32 mm
M5 / M3	1500 mm	400 kg	680 l	30x250 mm	8 mm	33 mm

The universal grabs

from own production



Full swivel

The over-dimensioned, wear-free hydraulic three-stage motors in a compact design are rated not only for high axial but also high radial loads. Blades and side blades are made of Hardox 400.

Protected mechanism

The cross-brace accommodates both: The powerful hydraulic cylinder and the synchronous steering mechanism.

Tooth system

Teeth angled slightly inwards ensure optimised grab characteristics, even with maximum opening widths.

Under control

The cylinder for the clam shell closing function is equipped with a check valve. This prevents the clam shells being opened accidentally.

Control

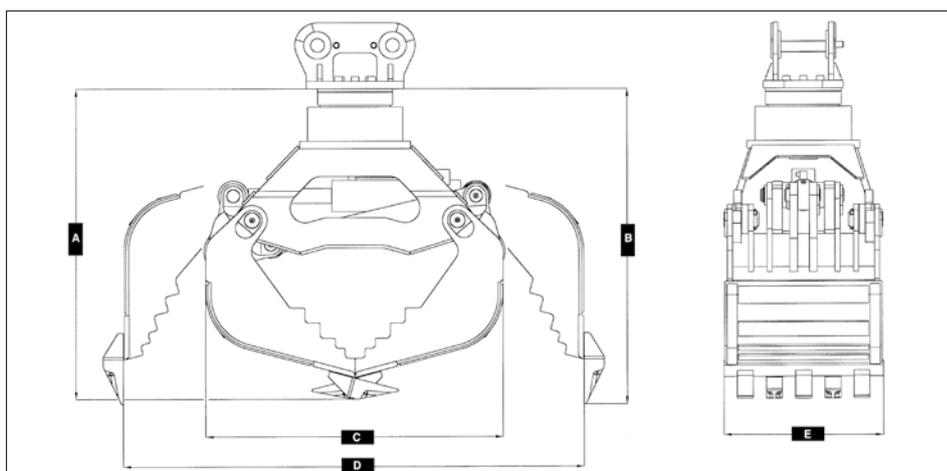
Ideally, there should be two double-acting hydraulic circuits on the machine side. If only one circuit is available, the „open/close“ and „swivel left/right“ functions can be electrically switched via an additional directional control valve.

For external products too

Over 2000 Menzi universal grabs are already in daily use in harsh industrial applications. We offer a finely-tuned programme with seven different sizes for excavators from 1 to 25 tonnes.

Upon request

Every grab is available without teeth (only with blade), with snap-on blades or with various quick-change mechanisms.



Type		UG08	UG12	UG15	UG20
Excavator weight class	t	5-8	8-12	9-15	16-25
Capacity	l	120	200	254	401
Rotor axial load capacity	t	7	14	15	25
Rotor radial load capacity	t	6	10	11	18
Weight without attachment plate	kg	433 (467)	710	839	1340
A Dimension	mm	957	1220	1243	1388
B Dimension	mm	987	1240	1263	1413
C Dimension	mm	900	1183	1183	1280
D Dimension	mm	1450	1830	1830	2100
E Cutting width	mm	500	570	630	790
Teeth		5	5	5	7
Tooth system		Esco	Esco	Esco	Esco
Max. closing force	kN	25	45	45	80
Max. oil volume grab / rotate	l/min.	40 / 27	44 / 54	44 / 48	70 / 66
Max. working pressure grab / rotate	bar	350 / 200	350 / 200	350 / 250	350 / 200
Hose connections, grab action		G3/4"	G1"	G1"	SAE1"
Hose connections, rotate action		G1/2"	G1/2"	G1/2"	G1/2"

The hydraulic swivel head Powertilt

Swivelling the tool

Buckets and other attachments can be continuously swivelled to the side to increase flexibility.

Maintenance

All internal parts are maintenance-free. They are lubricated by the flow of hydraulic oil. Strong wiper rings prevent the intrusion of dirt and water. The integrated hydraulic rotating union prevents protruding hoses.

Designs

With quick-change aid: the attachment can be mounted using hooks, the rear pins are inserted manually.

With hydraulic Menzi quick-changer: easy tool change operation using the joystick, no need for the operator to leave the cab.



Powertilt	PTA-105	PTA-195
Menzi Muck	M2	M3 / M5
Oil volume	45 – 76 l/min.	45 – 76 l/min.
Working pressure max.	310 bar	310 bar
Swivel torque max.	5548 Nm	13785 Nm
Holding torque max.	17853 Nm	39718 Nm
Swivel angle	180 °	120 °
Weight	190 kg	330 kg

The hydraulic quick-changer

With innovative safety lock

Safety of site personnel has top priority. Therefore, a new, fully hydraulic quick changer with an innovative safety lock was developed.

Characteristics

- meets all current standards
- can be easily retrofitted to the machine
- all existing accessories can still be used
- purely hydraulic solution
- very robust design
- any electrical lines required
- rational and time saving change of accessories
- locking without any play



from own production

Menzi Muck	M2 / M3 / M5
Hydraulic system	2-circuit system
Constant pressure	30 bar
Installation (Excavator)	Additional hydraulic circuit

The Tiltrotator Rototilt

Precision in every movement

The compact Menzi Muck Rototilt is specifically designed optimized for our excavators. Rototilt enables turning and tilting of buckets and other tools in one continuous motion. Endless rotation in both directions, lateral tilting of 40 degrees left and right, hydraulic quick changer and a hydraulic function control.

Activation

All functions are controlled by solenoid valves and can be activated simultaneously.

Special design and accessories

For Menzi, the rototilt comes in a special, more powerful design. Accessories such as the Original Menzi quick changer expand its range of use. Optionally available is a cassette/grip modul.

Type	R4 Menzi Muck
Weight	415 kg
Swiveling range	2 x 40°
Working pressure	250 bar
Oil volume	70 l/min
Swivel torque max.	45000 Nm
Holding torque max.	6400 Nm
Rotating union	60 l/min.; 350 bar
Rotating union High-Flow	200 l/min.; 350 bar
Serial	Automatical grease



activation by
Menzi PROP

The Tiltrotator Engcon

1 device - 4 functions

Endless rotation in both directions, 45 degree lateral swivel to left and rights, hydraulic quick-changer and a hydraulic additional function (~ 60 l/min.). The rotating and swivel movement allow a new, more rational mode of operation, unexpected corners and angles can now be reached.

Activation

All functions are controlled by solenoid valves and can be activated simultaneously.

Special design & accessories

For Menzi, the tiltrotator comes in a special, more powerful design. Optionally available are the integrated automatical grease unit and the integrated grab tongs.

Type	EC219
Weight	> 480 kg
Swiveling range	2 x 45°
Working pressure	40 - 80 l/min.
Oil volume	220 bar
Swivel torque max.	37030 Nm
Holding torque max.	5100 Nm
Rotating union	150 l/min.; 300 bar



activation by
Menzi PROP

The traction & forestry winch

Application

The specially designed winch for the Menzi Muck serves as retaining winch in steep slope applications, as well as for forwarders work. The winch is available in two different versions:

Standard version W135

As a simple winch it is controlled via a rocker on the joystick or on the foot pedal with hydraulic rope ejector and forced winding.

Optional version W135M

The mooring winch with hydraulic rope ejector, forced winding and additional screen in the cab. It is operated via foot pedal. Mooring is controlled via display. The screen shows additional information such as traction, achieving lowest cable layer, system diagnostics, etc.



Mooring-display in the cab

Type	W135
Drawing force	7500 kg
Rope	14 mm
Rope length	100 m
Rope speed	36 – 48 m/min. @ 100 l/min.
Weight without rope	770 kg
Standard	Forced winding, hydr. rope ejector
Optional	Mooring

The forestry mulching unit

Working process

For large, standing wood (trees, thick bushes, etc.), the door is opened in the opposite direction to perform mulching. The aggressive shape of the cutter bits chops up the wood into mulch. It then closes as soon as the material lands on the floor, so that the material can be chopped up further.

Attachment and options

Two double-acting control circuits and a separate drain line are required. Optionally, a walking leg for safe movement in difficult terrain is available.

Tools

The cutter bits are manufactured from forged steel with carbide tips around the cutting edge. They are fixed on the shaft.

Construction

No dust by fully enclosed double steel housing. The frame is made of wear-resistant steel. Robust protection chains slow down the mulched material, ensuring safety.



Type of mulcher	Weight	Oil volume	Working pressure	Working width	Excavator
Seppi BMSF 125	640 kg	75 - 140 l/min.	350 bar	1250 mm	10 – 20 to.
Seppi BMSF 100	565 kg	75 - 140 l/min.	350 bar	1000 mm	10 – 20 to.
FAE UML/EX 125	1085 kg	110 - 140 l/min.	220 - 350 bar	1250 mm	10 – 20 to.
FAE UML/EX 100	980 kg	110 - 140 l/min.	220 - 350 bar	1000 mm	10 – 20 to.

The hydraulic impact hammer

Wraparound housing

There are no protruding side bolts or screw fasteners. The hammer is fully protected from outside influences (impact and dust). The tempered bull bar protects the housing from wear and damage.

Maximum impact energy

The long piston stroke achieves virtually unrivalled impact energy with minimum force. The pistons are specially hardened and heat-resistant.

Technology

A high-pressure accumulator prevents pressure fluctuations and guarantees regular powerful impact. The perfect vibration dampening system reduces noise and vibrations to a minimum. You can use the dual-speed control system to adjust the impact frequency to the hardness of the rock (EHB 13).

Attachment and options

Attachment plates are available in various designs. Automatic chisel lubrication (optionally on EHB 13) prolongs service life.



Type		EHB10	EHB13
Weight	kg	600	1100
Oil volume	l/min.	60 – 110	80 – 140
Working pressure	bar	140 – 180	140 – 180
Impact rate	1/min	500 – 1000	1. Stufe: 380 – 700, 2. Stufe: 550 – 850
Max. impact energie	Joule	1350	2500 / 2150
Tool diameter	mm	93	105
Excavators	to	7,0 – 15,0	10,0 – 16,0

The hydraulic hedge shears

Use

You can use the hydraulic hedge shears to cut and clear wood in a single working process. Sitting safely and comfortably in the excavator you can cut trees, shrubs, hedges and bushes in an efficient and streamlined manner.

Easy handling

All cutting and holding works are executed by one action (joystick or foot pedal). If the cut is done, the grabs grip the wood, which leans on the mounting bracket and can be deposited at the intended destination.

Attachment and options

The shears are running only with double-acting control circuit. Optionally, a supporting foot for safe movement in difficult terrain is available. When mounting a swivel unit, an additional double-acting control circuit is needed.



Type		HS 760	HS 850
Length	mm	1600	1750
Width	mm	830	850
Height	mm	1100	1150
Weight without supporting foot	kg	365	475
Cutting capacity	mm	180 – 230	210 – 280
Opening width	mm	670	660
Oil volume	l/min.	60 – 100	80 – 100
Operating pressure	bar	250 – 270	270 – 300
Excavators	to	5 – 12	11 – 18

The Woodcracker

Application

The Woodcracker was constructed exclusively for cutting trees and woody shrubs.

Function

The cutting system consists of a rigid base body and a movable swingarm cutting blades. The hydraulic cylinder pushes swingarm with the cutting blade through the wood.

Options

Rotator: The Rotator allows the Woodcracker to turn to the left and right.

Collecting grab: With the collecting grab more thin trunks can be cut and collected simultaneously.



Type		C250	C350
Opening width shears	mm	450	700
Opening width grabs	mm	950	1430
Cutting diameter max.	mm	250	350
Weight	kg	570 – 870	1080 – 1390
Oil volume	l/min.	50 – 190	70 – 220
Working pressure	bar	200 – 280 bar	200 – 280 bar
Excavators	to	7.0 – 14.0	14.0 – 20.0

Other accessories

The demolition and removal systems

- demolition grabs
- drilling units
- rams
- concrete breakers
- milling heads
- compactors
- earth borers

The municipal and forestry accessories

- stump grinder
- cutter bars
- feller-buncher
- tree or hedge shears
- Harvester heads
- wood grabs
- forest rakes

Others

- Oilquick for the hydraulic change of accessories
- Customer solutions with special housings or sizes, or accessories for special applications