



MODERNTECH



PRODUCT
CATALOGUE



The sweeper for the agricultural industry. It has been designed to organize large storage areas, halls, parking lots.

BASIC EQUIPMENT

- brushes made of very durable polypropylene fibre with a diameter of 3mm and a height of 250mm, arranged in rows. The first row of the brushes is as the "V" letter, which results in more precise collection of dirt.
- support feet to prevent the bristles from deformation, and thus increase its service life after work;
- three types of assembly options: pockets for forks (provided wrench to assembly), TUZ of the 2nd category, assembly on the loader bucket blade.

ADDITIONAL EQUIPMENT

- polyurethane blade
- mounting adapted to the customer's machine

The presented machine is available in two lengths:

- ZL sweeper – equipped with 7 rows of brushes
- ZL „LONG” sweeper – equipped with 13 rows of brushes

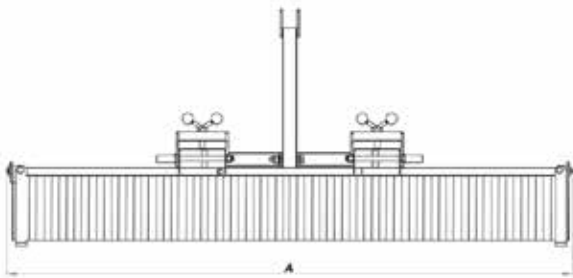


| SWEEPER ZL

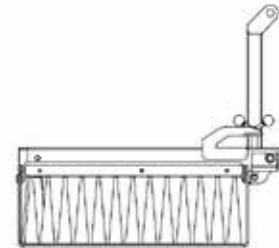
TECHNICAL DATA

	ZL 150	ZL 200	ZL 250	ZL 300
Working width A[mm]	1500	2000	2500	3000
Number of rows of brushes [pcs.]	7	7	7	7
Length of the brush assembly [mm]	400	400	400	400
Height of the brush assembly [mm]	250	250	250	250

	ZL LONG 150	ZL LONG 200	ZL LONG 250	ZL LONG 300
Working width A[mm]	1500	2000	2500	3000
Number of rows of brushes [pcs.]	13	13	13	13
Length of the brush assembly [mm]	780	780	780	780
Height of the brush assembly [mm]	250	250	250	250



ZL



ZL „LONG”



The sweeper construction is based on a welded modular design for self-assembly by the customer. In addition, the foldable structure aims at facilitating the storage and transport of the sweeper and thus reduce the transport costs (the sweeper is delivered assembled on the pallet).

The machine is equipped with brushes made of very durable polypropylene fibre with a diameter of 3mm and a height of 250mm, arranged in rows.

The sweeper has been designed to organize large storage areas, halls, parking lots, etc., i.e. the areas which cannot get too dusty and dirty.

The sweeper has been equipped with support feet to ensure that the bristles do not deform, which increases its service life after work..

As standard, the machine is equipped with three types of assembly options: pockets for forks (provided wrench to assembly), TUZ of the 2nd category, mounting on the loader bucket blade.

The presented sweeper is available in two lengths versions:

- **ZL/S sweeper** - length 300 mm
- **ZL/S „LONG” sweeper** - length 600 mm

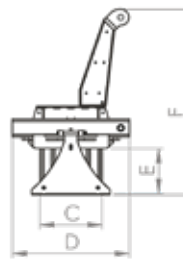
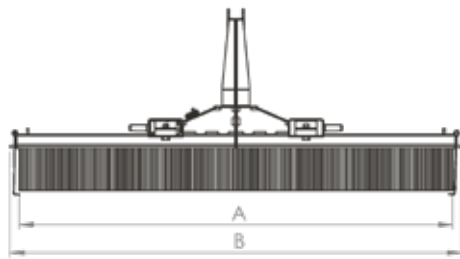


| SWEEPER ZL/S

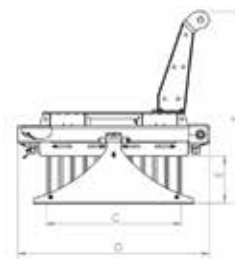
TECHNICAL DATA

TYP	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)	F (cm)
ZL/S 150	150	162	30	54	~ 25	86
ZL/S 200	200	212	30	54	~ 25	86
ZL/S 250	250	262	30	54	~ 25	86

TYP	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)	F (cm)
ZL/S LONG 150	150	162	30	85	~ 25	86
ZL/S LONG 200	200	212	30	85	~ 25	86
ZL/S LONG 250	250	262	30	85	~ 25	86



ZL/S



ZL/S „LONG”

BASIC EQUIPMENT

- forks pockets
- mounting of TUZ of the 2nd category
- support feet
- polypropylene slat brushes
- wrench do assembly the sweeper in the forks pocket



The sweeper designed for industry. The sweeper has been designed to clean large storage areas, halls, parking lots, etc., i.e. the areas which cannot get too dusty and dirty.

The cover is used to reduce dust build-up during operation to a significant extent.

BASIC EQUIPMENT

- brushes made of very durable polypropylene fibre with a diameter of 3mm and a height of 250mm, arranged in rows. The first row of the brushes is as the "V" letter, which results in more precise collection of dirt.
- support feet to prevent the bristles from deformation, and thus increase its service life after work;
- three types of assembly options: pockets for forks (provided wrench to assembly), TUZ of the 2nd category, assembly on the loader bucket blade.

ADDITIONAL EQUIPMENT

- polyurethane blade
- mounting adapted to the customer's machine

The presented machine is available in two lengths:

- ZL/P sweeper – equipped with 7 rows of brushes
- ZL/P „LONG” sweeper – equipped with 13 rows of brushes

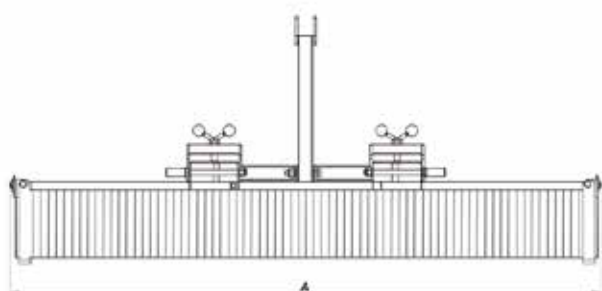


| SWEEPER ZL/P

TECHNICAL DATA

Model	ZL/P 150	ZL/P 200	ZL/P 250	ZL/P 300
Working width A[mm]	1500	2000	2500	3000
Number of rows of brushes [pcs.]	7	7	7	7
Length of the brush assembly [mm]	400	400	400	400
Height of the brush assembly [mm]	250	250	250	250

Model	ZL/P LONG 150	ZL/P LONG 200	ZL/P LONG 250	ZL/P LONG 300
Working width A[mm]	1500	2000	2500	3000
Number of rows of brushes [pcs.]	13	13	13	13
Length of the brush assembly [mm]	780	780	780	780
Height of the brush assembly [mm]	250	250	250	250



PZL attachment for the ZL sweeper, allowing the brushes to be deflected from the central axis. The swept material accumulates in the center or is pushed outward - depending on the setting and is transferred to further rows of brushes - this increases the efficiency and accuracy of the sweeper. Setting the working angle is done manually - a wrench is included to lock the desired setting.

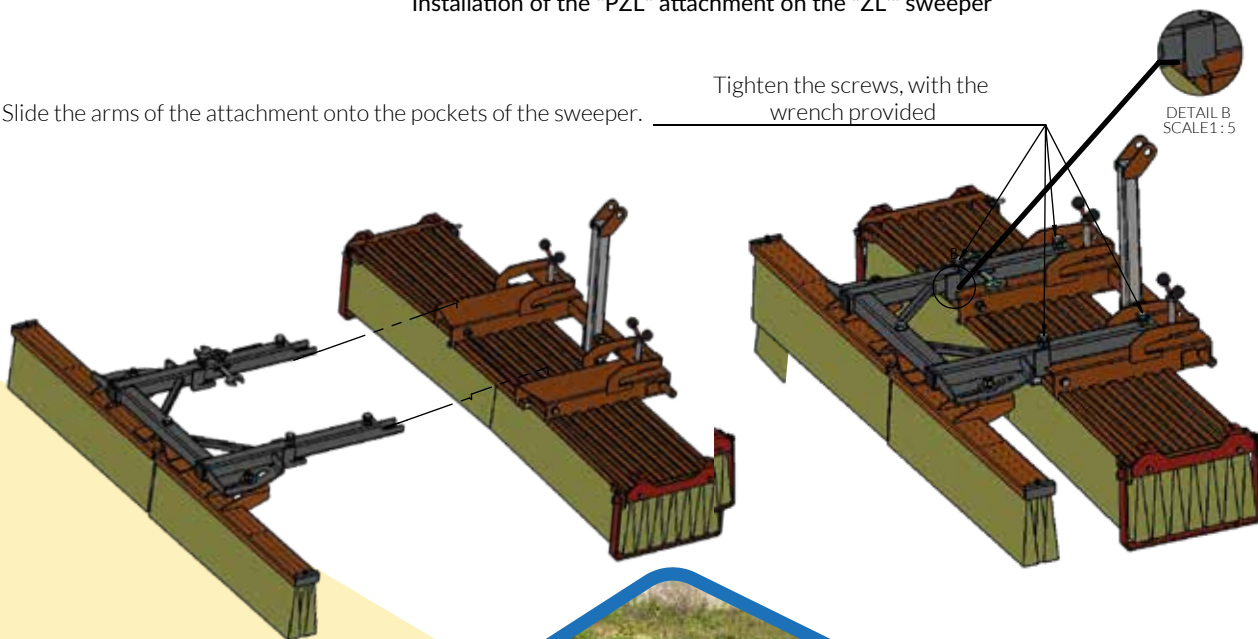
They are available in versions with working widths of 150cm, 200cm, 250cm and 300cm

Installation of the "PZL" attachment on the "ZL" sweeper

Slide the arms of the attachment onto the pockets of the sweeper.

Tighten the screws, with the wrench provided

DETAIL B
SCALE 1:5



ATTACHMENT PZL

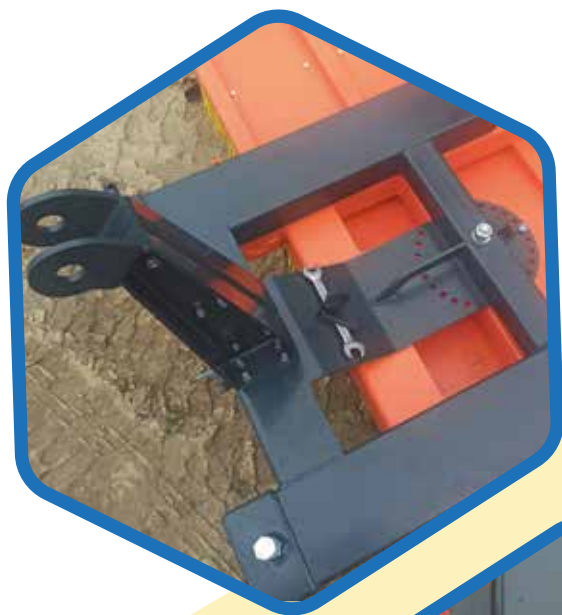
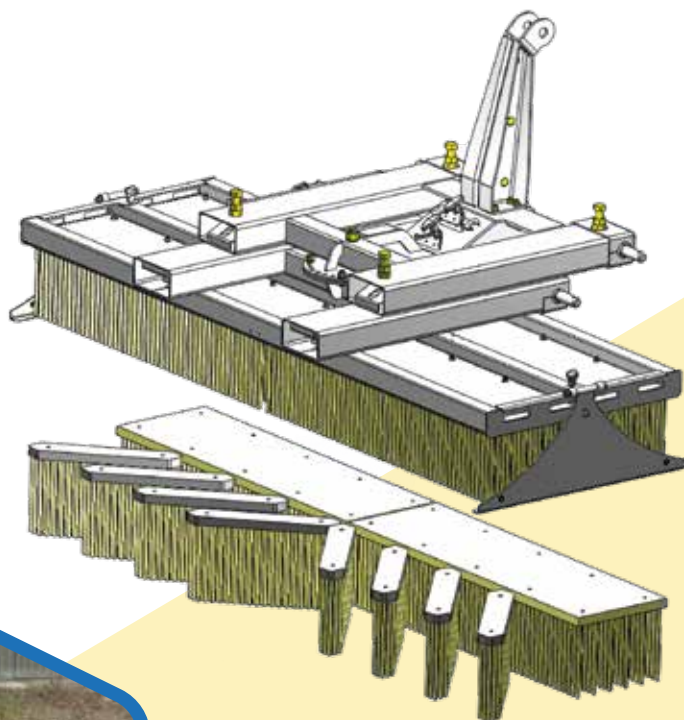
The ZL/O sweeper is equipped with a swivel, allowing the brush working surface to be angled to the direction of the machine's movement. Thanks to such an arrangement, the collected material does not accumulate in front of the sweeper but is pushed to the side. A similar solution is used in snow plows.

With this sweeper model, it is possible to configure the layout of the first rows of brushes.

- brushes arranged fortright
- diagonal brushes

The angled arrangement of the brushes directs the material inward and then onto the back rows of brushes. This increases the precision and accuracy of sweeping.

The arrangement of brushes should be determined at the stage of ordering the sweeper and does not affect the price of the product



| SWEEPER ZL/O

Snow remover - sweeper of the ZE series It is widely used for cleaning asphalt road surfaces, pavements and squares. The basic brush consists of polyurethane rings put on a metal shaft in the ZIG-ZAG system. Such arrangement of the rings ensures thorough and even surface cleaning.

The ZE sweeper is driven by the hydraulic system of the machine on which it is assembled. The sweeper functions are increased by the adjustment of the working angle, which is mechanical by default and allows the device to be set at an angle of 15° (optionally, a hydraulic cylinder controls the working angle).

In the sweeper, an innovative suspension system with a polyurethane spring that allows the machine to copy terrain has been applied.

As standard, it is possible to choose from three SMS, EURO or TUZ assembly options. In addition, we produce assembly based on individual customer orders.

ADVANTAGES:

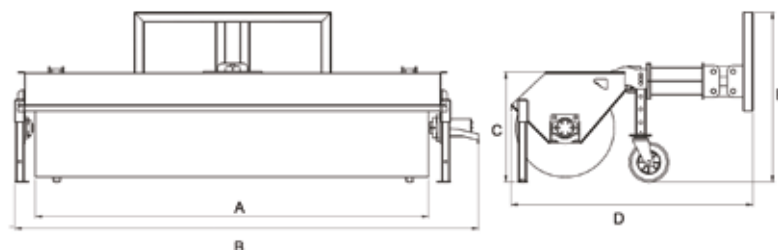
- Sweeping widths from 1200 to 2000 mm
- Compact rigid structure
- Adaptable to any type of loader, forklift
- Quick and easy replacement of worn brushes
- Brushes with a diameter of 500 mm - polypropylene-steel brushes
- It can be used as a snow remover
- Having finished work, the sweeper can be raised to prevent deformation of the brush.



| SWEEPER ZE

TECHNICAL DATA

Model	ZE 120	ZE 160	ZE 180	ZE 200	ZE 220	ZE 240
Working width - A [mm]	1200	1600	1800	2000	2200	2400
Total width - B [mm]	1556	1956	2156	2356	2556	2756
Height - C [mm]	558	558	558	558	558	558
Length - D [mm]	1229	1229	1229	1229	1229	1229
Height with fixing- D [mm]	860	860	860	860	860	860
Diameter of the brush [mm]	500	500	500	500	500	500
Weight [kg]	100	130	160	180	210	240



BASIC EQUIPMENT

- cast rubber wheels
- hydraulic motor with connectors
- stopki
- mountings to choose: EURO, SMS, TUZ
- polypropylene brushes

ADDITIONAL EQUIPMENT

- hydraulic adjustment of the working angle
- reinforced polyurethane wheels
- mounting adapted to the customer's machine
- mixed brushes
- snow brushes



The ZS sweeper has been designed for private, municipal and agricultural companies. The machine is perfect to maintain large surfaces clean, i.e. asphalt, concrete, paving stones, roads and squares. The universal character of the machine makes it stand out from other machines due to the fact that it can be used as a sweeper assembled on any bucket or you can work with the bucket itself having removed the sweeper with to the quick disassembly system.

The sweeper is equipped with smooth adjustment of the brush pressure to the ground and the system to remove the sweeping brush from the loader bucket.

The basic brush with a diameter of 500 mm consists of polyurethane rings applied to a metal shaft in the ZIG-ZAG system. This arrangement of the rings ensures thorough and even surface cleaning. The ZS sweeper is driven by the hydraulic system of the machine on which it is assembled.

ADVANTAGES:

- hydraulic drive
- smooth adjustment of the brush height
- quick disassembly system to easily unfasten the sweeper and work with the bucket itself.
- the sweeper can be easily assembled to most of the buckets and shovels available on the market.



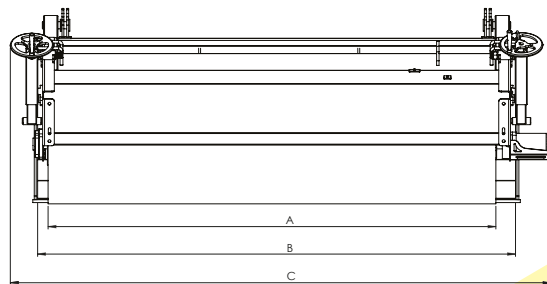
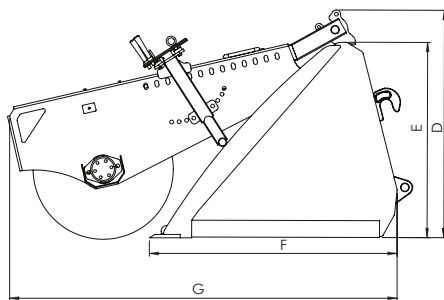
| SWEEPER ZS

TECHNICAL DATA

Model	ZS 120	ZS 140	ZS 160	ZS 180	ZS 200	ZS 220
Brush working width - A [mm]	1070	1270	1470	1670	1870	2070
Working width of the bucket- B [mm]	1200	1400	1600	1800	2000	2200
Total width of the sweeper- C [mm]*	1460	1660	1860	2060	2260	2460
Overall height of the sweeper- D [mm]**	810	810	810	810	810	810
Total height of the bucket - E [mm]	700	700	700	700	700	700
Total length of the bucket - F [mm]	880	880	880	880	880	880
Total length of the sweeper- G [mm]	1390	1390	1390	1390	1390	1390
Bucket capacity [0,4m3]	0,4	0,46	0,53	0,6	0,66	0,72
Brush diameter [mm]	500	500	500	500	500	500
Bucket weight [kg]	165	175	185	195	205	215
Sweeping machine mass [kg]	85	90	95	100	105	110
Oil flow [l/min]	40-60	40-60	40-60	40-60	40-60	40-60
Oil pressure min / max [bar]	140/170	140/170	140/170	140/170	140/170	140/170

* The height of the sweeper depends on the height of the bucket on which it is mounted.

** The length of the sweeper is adjustable and depends on the type of bucket on which it is mounted.



The ZML sweeper has been designed for small and large private and municipal companies. It is perfect to maintain large surfaces clean, i.e. asphalt, concrete, paving stones, roads and squares.

The rigid design of the machine allows to adjust the working width to customer needs, from 120 cm to 240 cm.

In our sweepers, we have replaced rubber elements with elements made of polyurethane to increase the reliability and life of the machine.

The use of a polypropylene, steel or mixed brush with a diameter of 60cm is an innovative solution.

The machine is equipped with an original floating assembly to be adapted to the sweeping terrain.

The standard equipment of the sweeper involves the assembly options suitable to most chargers on the market: SMS, EURO, TUZ and forks pockets.

The ZML sweeper is the only machine that can be expanded with additional components to support and improve its operation, such as: waste container, side brush, brush spray system and hydraulic adjustment of the sweeper's working angle.

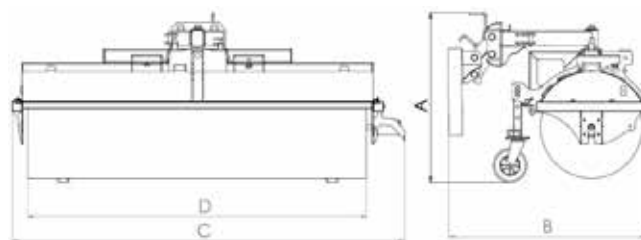


| SWEEPER ZML

TECHNICAL DATA

Model	ZML 120	ZML 140	ZML 160	ZML 180	ZML 200	ZML 220	ZML 240
A[cm]	100	100	100	100	100	100	100
B[cm]	116	116	116	116	116	116	116
C[cm]	150	170	190	210	230	250	270
Weight[kg]	150	170	190	210	250	270	290

*Zraszanie A+ 50cm i +30kg **Zbiornik B+ 75cm i +100kg ***Szczotka boczna C+ 35cm i + 30kg



BASIC EQUIPMENT

- cast rubber wheels
- mechanical adjustment of the working angle
- hydraulic connectors
- mountings: EURO, SMS, TUZ

ADDITIONAL EQUIPMENT

- mixed brushes
- waste container
- polyurethane blade
- anti-chipping cover (when buying a waste container)
- side brush with a diameter of 50cm (possibility of mounting 2 pcs.)
- 200 L sprinkler system
- hydraulic adjustment of the working angle
- reinforced polyurethane wheels
- mounting adapted to the customer's machine



The ZW sweeper is extensively used for cleaning concrete surfaces such as sidewalks and parking lots.

The machine uses a segmented polypropylene brush with a diameter of 400 mm and bristle thickness of 1.6 mm, which can be replaced by a mixed (polypropylene + wire) brush if required.

The ZW sweeper is driven by a power take-off shaft. Optionally, a hydraulic drive can be used for operation by using the hydraulic section of the machine to which it is mounted.

The functionality of the sweeper is increased by the adjustment of the working angle, normally this is done mechanically and allows you to set the maximum angle of 210. An additional option is the hydraulic adjustment of the working angle using a hydraulic cylinder (a hydraulic section is required in the machine on which the sweeper will operate).

An innovative suspension system is used in the sweeper, providing the machine with the terrain copying function.

A category I or II three-point hitch attachment is normally fitted.

ADVANTAGES:

- Sweeping width: 120cm, 135cm, 150cm
- A compact rigid design
- The possibility to have it adapted to any type of loader, forklift, tractor
- It can be used as a snow blower with the use of snow brushes



| SWEEPER ZW

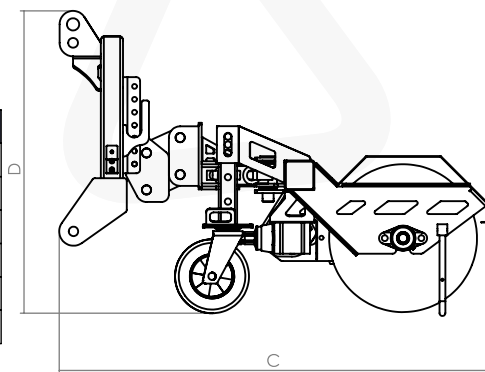
TECHNICAL DATA

	ZW120	ZW135	ZW150
A - working width [mm]	1200	1350	1500
Brush diameter [mm]	400	400	400
B - total width [mm]	1505	1520	1670
C - length [mm]	1165	1165	1165
D - height [mm]	820	820	820
Weight* [kg]	124	131	138

*without a WOM shaft with cat. I/II three-point hitch attachment

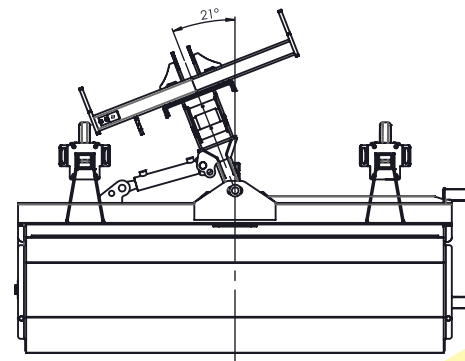
Media requirements			
Power [km]	PTO shaft revolutions [rpm]	Oil flow rate [l/min]*	Oil pressure [bar]*
15	540	15	140

*in the case of a hydraulic drive.



BASIC EQUIPMENT

- manual steering
- a polypropylene brush
- mechanical drive via WOM
- three-point hitch attachment



ADDITIONAL EQUIPMENT

- hydraulic steering control (additional hydraulic section required)
- combination polypropylene/steel wire brush
- hydraulic drive (additional hydraulic section required)
- mounting other than standard

The machine is supplied without a power take-off



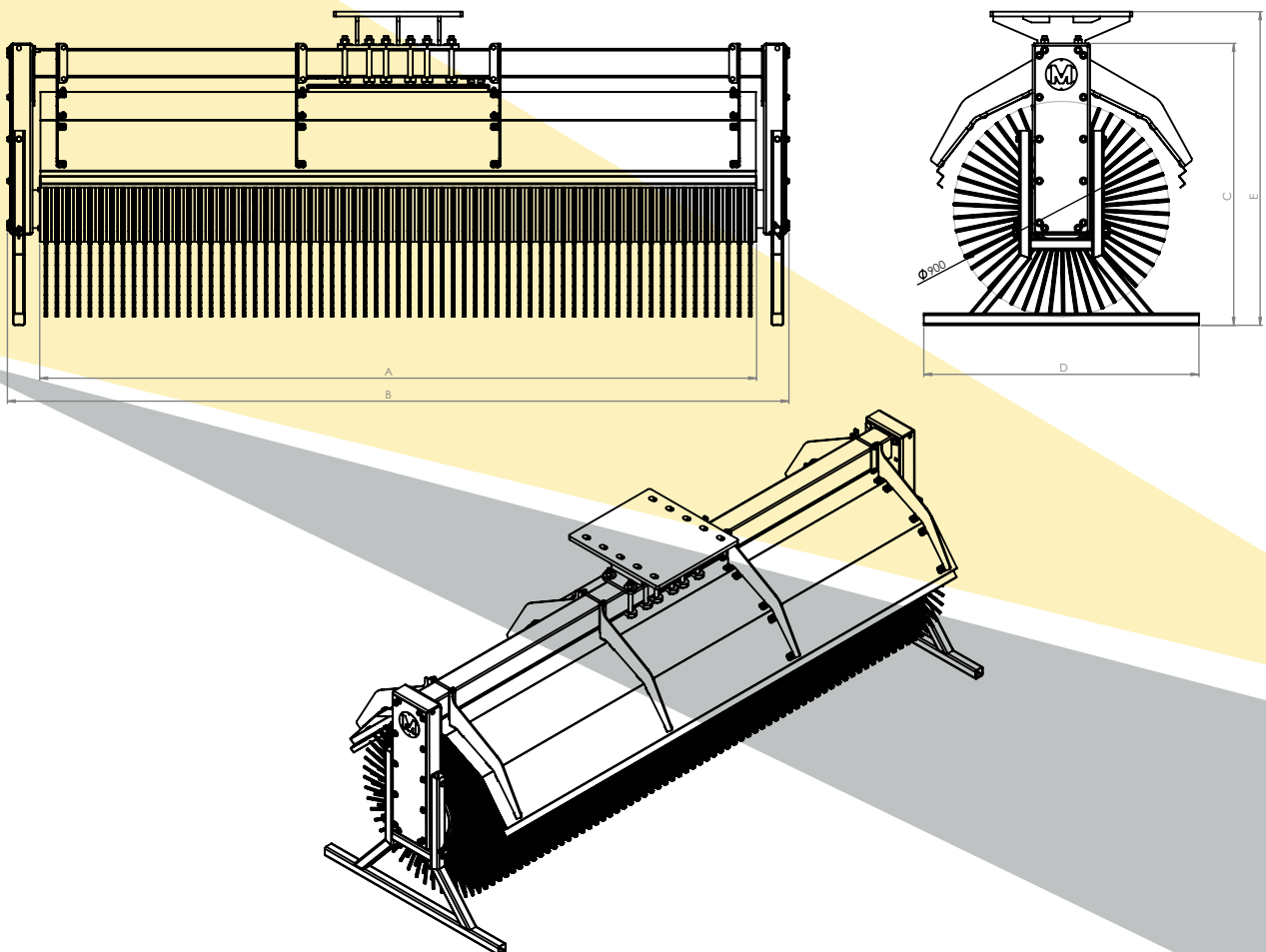
The ZMD sweeper - is designed for use in large areas such as airports, port areas and industrial areas.

The machine is equipped with a system of ring brushes with a large diameter of 900mm, so it is characterized by a very high working efficiency. The bristles of the brushes are made of high-quality polypropylene, so they are durable and sufficiently flexible, at the same time without becoming too deformed. The segmented design of the brush system makes it possible to replace individual worn rings in a short time.

Extremely solid construction ensures long-lasting and trouble-free operation. The machine is available in several variants of working widths of 2, 2.5 and 3m allowing to match the surface on which it will be used.

As with our other products, it can be fitted with an attachment for most loaders, excavators and other construction equipment available on our market.

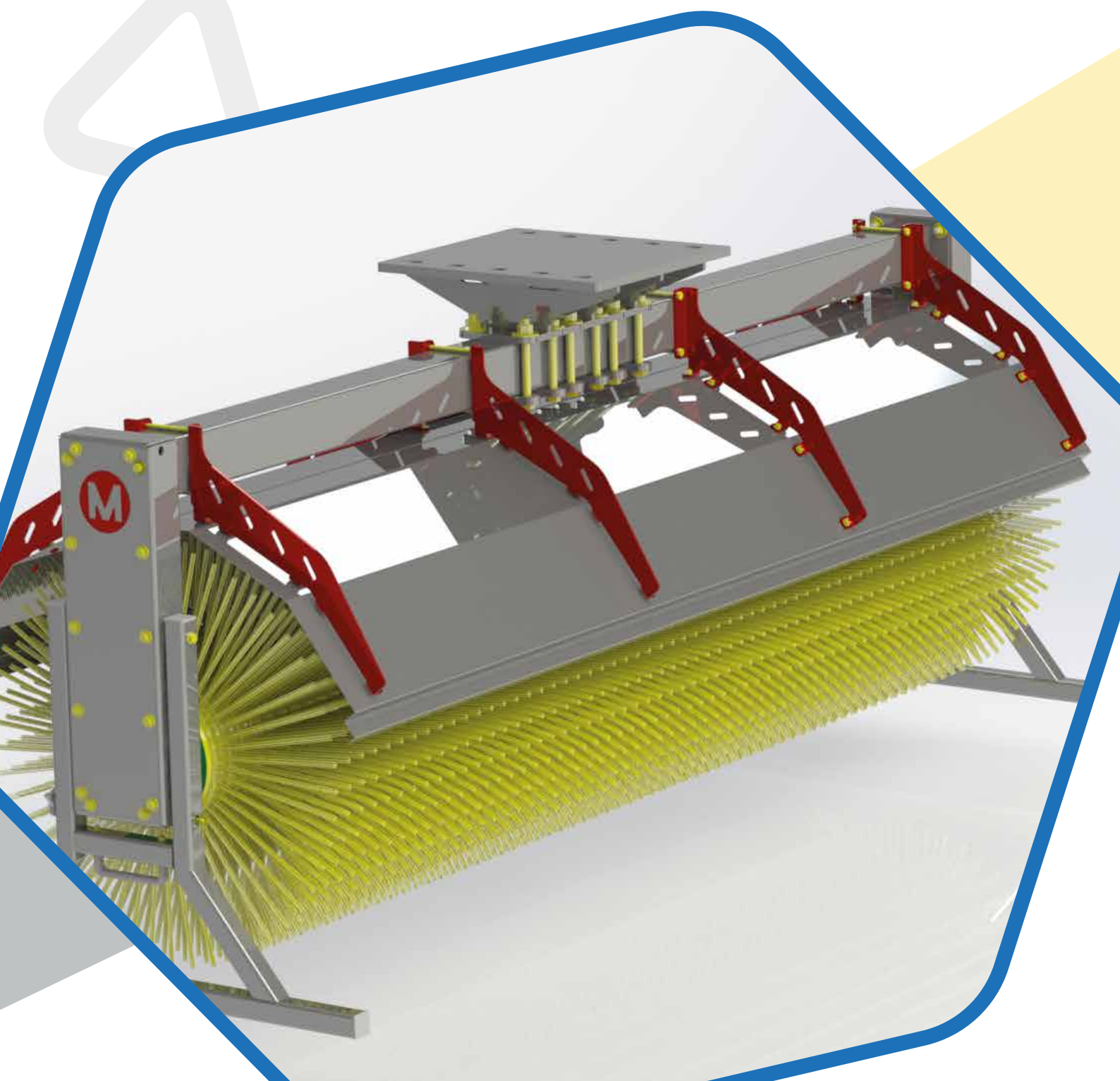
The use of a high-powered hydraulic motor ensures that the working section maintains adequate speed even under heavy pressure.



SWEEPER ZMD

TECHNICAL DATA

Model	ZMD 200	ZMD 250	ZMD 300
Working width - A [mm]	2000	2500	3000
Overall width - B [mm]	2270	2770	3270
Height - C [mm]	1180	1180	1180
Length - D [mm]	1150	1150	1150
Height with attachment- D [mm]	1310	1310	1310
Brush diameter [mm]	900	900	900
Weight without attachment [kg]	390	420	450



The spreader is designed to spread sand, salt or a mixture thereof. The PSM spreader can operate on narrow residential streets, alleys and pavements. The spreader material is spread on a rotating cylinder of constant width without causing damage to buildings and green areas. It is possible to operate it in the vicinity of pedestrians.

The small size of the spreader causes the fact that it can be used with small tractors, front loaders and self-propelled loaders, both at the front and rear of the machine.

The spreader is powered by the hydraulic drive of the machine on which it is assembled. The agitator, roller and bearings are made of corrosion-resistant steel.

ADVANTAGES:

- mobility
- compact design
- precise spreading
- small size and low weight

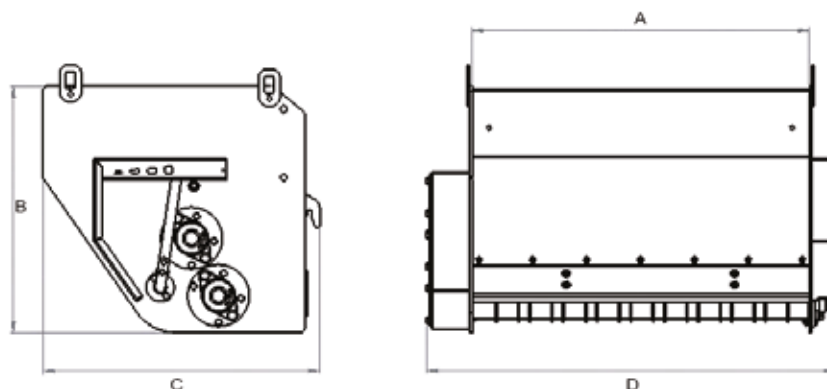


SPREADER PSM

TECHNICAL DATA

Model*	PSM 100	PSM 120	PSM 140	PSM 160
Working width - A [cm]	100	120	140	160
Transport width - D [cm]	125	145	165	185
Required number of hydraulic switches	2 (1 steam)	2 (1 steam)	2 (1 steam)	2 (1 steam)
The type of drive	hydraulic	hydraulic	hydraulic	hydraulic
Oil flow [l / min.]	55-70	55-70	55-70	55-70
Oil pressure bar]	150	150	150	150
Capacity (theoretical) [m³]	0,26	0,31	0,36	0,41
Dimensions (without fixing) C / D / B [cm]	83 / 125 / 73	83 / 145 / 73	83 / 165 / 73	83 / 185 / 73
Max. working speed [km/h]	15	15	15	15
Max. transport speed [km/h]	25	25	25	25
Weight without load [kg]	220	240	260	280
Weight with load (for sand / 1m³ – 1520 kg) [kg]	615	710	810	905

*other widths on customer's request



ADDITIONAL EQUIPMENT

- lighting
- mounting adapted to the customer's machine



The self-loading spreader is designed spread sand, salt or a mixture thereof on the streets, parking lots, pavements, estates in the winter season. In addition, the spreader can be used to cover lawns and playing fields with lime.

Spreading does not damage passing by cars. It does not threat to pedestrians due to the constant width of the spreading of the carrier.

The spreader is powered by the hydraulic drive of the machine on which it is assembled.

It is possible to adjust spreading intensity by means of pressure of the rear shutter against the dosing roller.

As standard, the spreader is equipped with a three-point TUZ assembly of the 2nd category. On individual order, it is possible to make any adjustment adapted to the customer's equipment.

Rear lighting enables sand spreader to operate on public roads.

ADVANTAGES:

- does not threat to cars and bystanders
- adjustable intensity of spreading
- self-loading system
- possible to empty quickly
- precise spreading

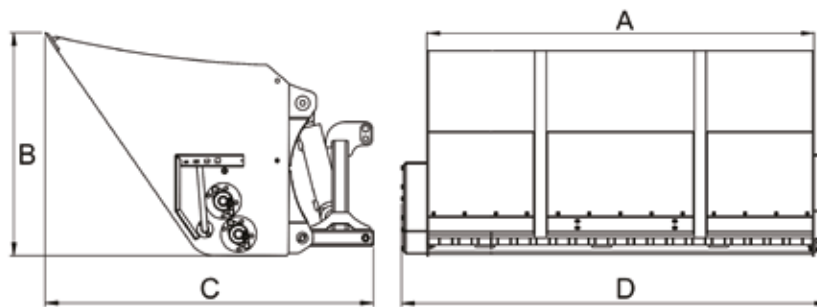


SPREADER PSS

TECHNICAL DATA

Model*	PSS 160	PSS 200	PSS 220
Working width- A [cm]	157,5	197,5	237,5
Transport width - D [cm]	179	219	259
Tractor power [KM]	od 50	od 60	od 70
hook - TUZ	II	II	II
The required number of hydraulic switches	4 (2x2 steam)	4 (2x2 steam)	4 (2x2 steam)
Drive type	hydraulic	hydraulic	hydraulic
Oil output [l / min.]	55-70	55-70	55-70
Oil pressure [bar]	150	150	150
Capacity (theoretical)[m³]	0,85	1,05	1,25
Dimensions(UZ) C / D / B [cm]	169 / 179 / 115	169 / 219 / 115	169 / 259 / 115
Max. working speed [km/h]	15	15	15
Max.transport speed [km/h]	25	25	25
Mass without load [kg]	557	700	843
Mass with load (For the sand/ 1m³ – 1520 kg) [kg]	1849	2295	2743

*Other widths on request



ADDITIONAL EQUIPMENT

- mounting adapted to the customer's machine



The SDC brush is an effective tool to easily remove all kinds of weeds, lichen, moss, etc. from all kinds of paved surfaces, parking lots, pavements and edges near road curbs.

The main machine components are:

- a steel brush assembled on a support with a hydraulic motor, working angles of which (rotation and tilt) are changed manually,
- an working arm connecting the support frame (assembly) with the working element, i.e. a brush, which can move in an arc and tilt up or down (adjustment with turnbuckles),
- standard TUZ assembly of the 1st and the 2nd category (it is possible to adapt assembly to a specific customer order),
- optional support wheels with high abrasion resistance, the thread is made of polyurethane.

The brush design allows removing the working arm with the brush quickly in relation to the assembly (right or left to the direction of travel).

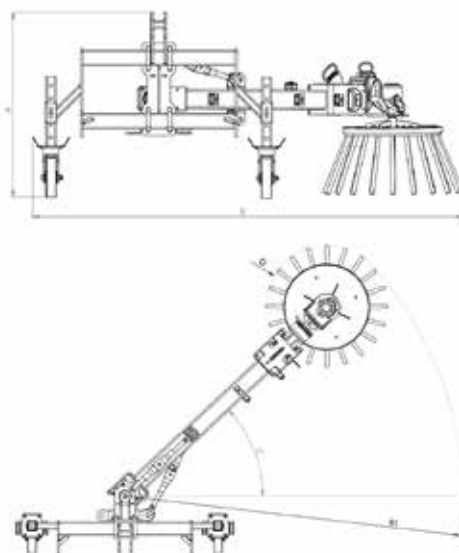
The machine is environmentally friendly. Weeds are removed mechanically without the need to use herbicides and other chemicals.



WEED REMOVAL BRUSH SDC

TECHNICAL DATA

Model	SDC
Height A [mm] min / max	850 / 1050
Width B [mm] min / max	1300 / 2650
Operating range R1 [mm]	2000
Brush diameter D [mm]	800
Angular deflection [°]	~ 90
Mounting TUZ [standard]	kat. 1 i 2
Oil pressure [bar] min / max	130 - 170
Oil flow [bar] min / max	60 - 75
Weight [kg]	180



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The WG01 scraper thoroughly sweeps manure, leaves, branches and withered weeds from rows of trees to maintain orchard and livestock buildings perfectly clean. The machine is driven by a hydraulic motor and is equipped with very durable polyurethane scrapers.

The polyurethane scraper does not damage trees. The head is located lower, it levels the molehills better, and does not damage the irrigation system.

It is possible to adjust the sweeper working angle in three planes, which guarantees excellent scraping quality.

The working field width is 120cm.

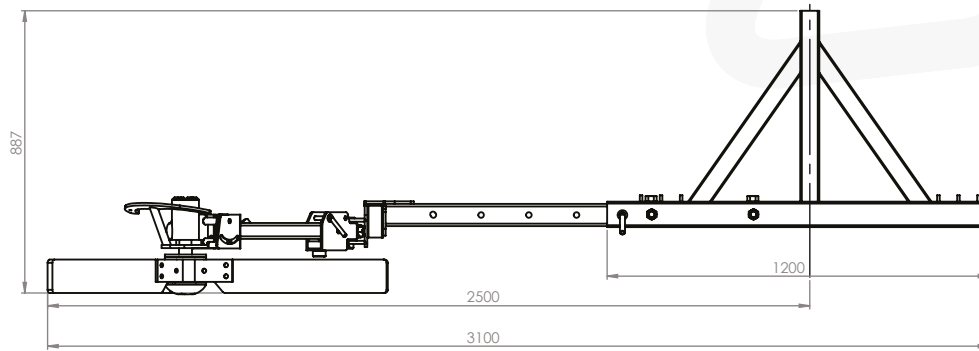
ADVANTAGES:

- light and durable construction;
- easy replacement of scrapers;
- possibility to adjust the assembly to various machines;
- mechanical lifting function



| SWAPPER WG

TECHNICAL DATA



Width after folding: 1900 mm
Width after maximum unfolding: 3100 mm
Working field width: 1200 mm
Oil pressure: 130 bar.
Oil flow: 25 - 60 L
Weight: 80 kg.

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BASIC EQUIPMENT

- TUZ assembly
- polyurethane scrapers

ADDITIONAL EQUIPMENT

- mounting adapted to the customer's machine



The ZGT-250 multifunctional device used to level unpaved field and forest roads, bulldozing of heaps of soil, sand and other loose materials.

In the winter season it can be used to remove snow.

Hydraulic cylinders smoothly set the position of the mouldboard.

Solid support wheels prevent the blade from sinking too much into the ground.

ADDITIONAL EQUIPMENT

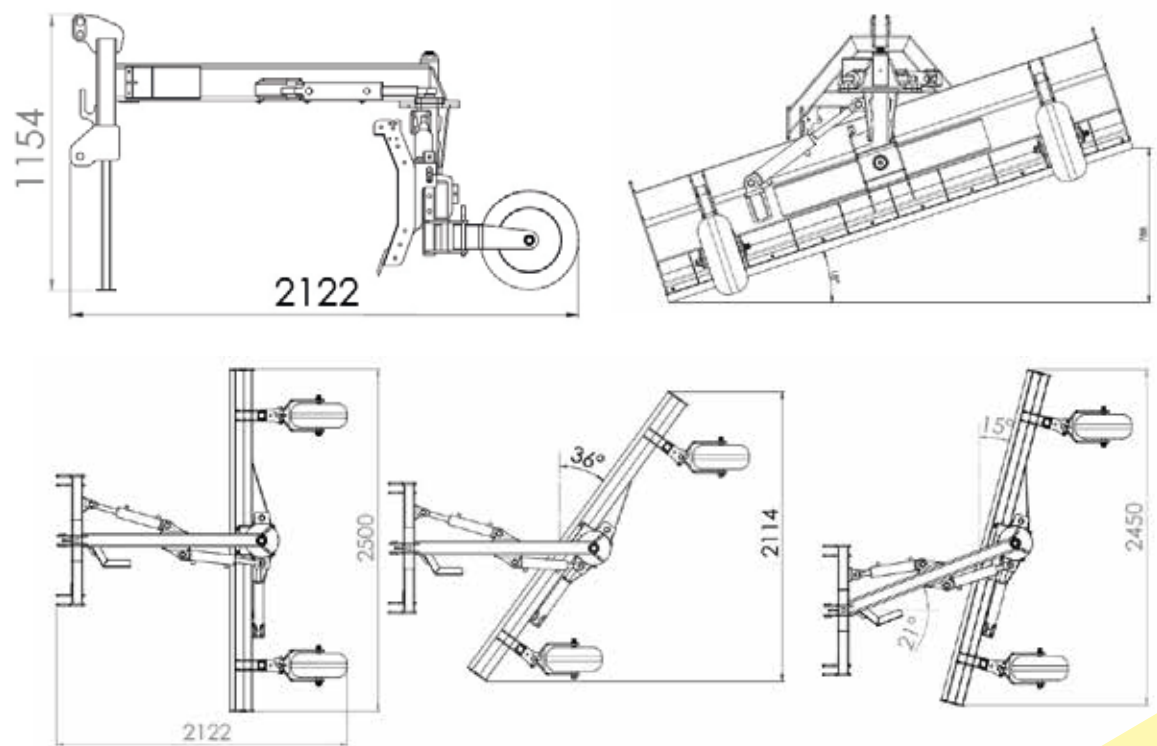
tightening enlargements working width up to 3 m

Model	ZGT 250
Working width [mm]	2500
Lenght [mm]	2100
Height [mm]	1200
Required number of hydraulic sockets	2
Weight [kg]	500
Power demand [kW]	22
Electrical installation	12 V cigarette lighter socket



LAND LEVELER

TECHNICAL DATA



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The ZRK-type double-arm ripper is designed to pull out roots or carps.

The efficiency of ripper work is much higher than a traditional bucket.

In addition, such equipment makes it possible to remove soil from pulled-out roots.

The cutting blade and tooth tips are made of HB500 wear-resistant steel.

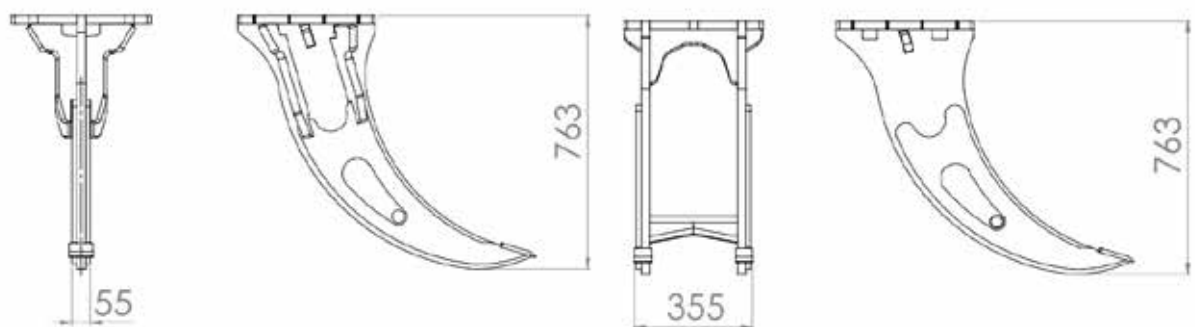
In addition, the attachment adjustment to any type of excavator is possible.

The ripper weight is 140kg.



EXTRACTOR TO THE ROOTS **ZRK**

TECHNICAL DATA



Model	ZRK-01	ZRK-02
Weight without mounting [kg]	115	160
Height [mm] A	855	855
Width [mm] B	349	349
Tooth length [mm] C	901	901



The MT mixer is a self-loading machine mainly used by construction companies and farms. The machine is designed to mix concrete, gravel and soil. In addition, it works well when mixing animal feed.

The concrete mixing bucket operates perfectly in places without access to electricity, e.g. remote fields, wasteland, due to the fact that it is always powered by the hydraulic drive of the machine on which it is assembled.

The mixers produced by our company are equipped with modern gears in a cast iron housing, which guarantees trouble-free operation. The engines are protected by overflow valves against so-called pressure shots. The used grille protects the mixer against stones and other impurities that can damage or block the mixing system.

The main mixing element is made of hardened wear-resistant steel, and the machine blade is made of HB500

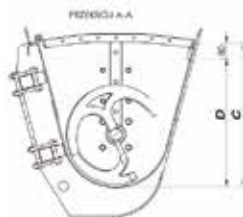
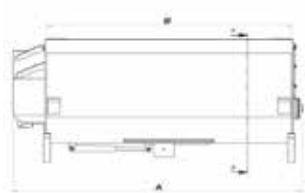
Apart from modern design, our mixers can be adjusted to any machine with a screwed, replaceable attachment.

As an option, a drainpipe to accurately keep and dispense mixed material can be used for the bucket.



MIXER FOR CONCRETE MT

TECHNICAL DATA



BASIC EQUIPMENT

- drive with hydraulic system
- assembly options to choose from: SMS, EURO
- mixing screw
- drain opened hydraulically
- safety valve

ADDITIONAL EQUIPMENT

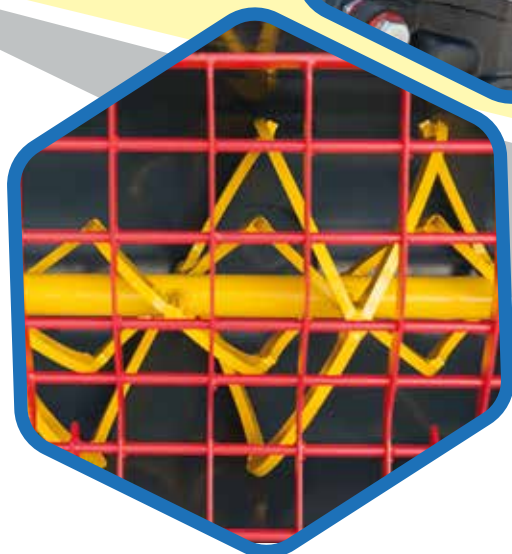
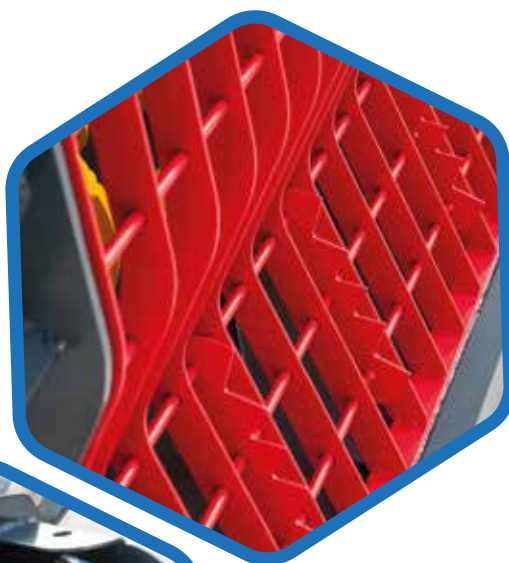
- drainpipe of fi 150 mm
- mounting adapted to the customer's machine

Model	MT-120	MT-140	MT-160	MT-180
Total width A [mm]	1540	1740	1940	2140
Working width B [mm]	1200	1400	1600	1800
Depth max C [mm]	725	725	725	725
Capacity max - C [l]	494	576	658	740
Effective depth D [mm]	645	645	645	645
Effective capacity - D [l]	422	492	562	632
Gear	YES	YES	YES	YES
Diameter of the stirrer [mm]	500	500	500	500
Thickness of the mixing element [mm]	12	12	12-15	12-15
Bottom drain-hydraulics	YES	YES	YES	YES
Drain pipe diameter [mm]	150	150	150	150
Mixer mounting	by arrangements	by arrangements	by arrangements	by arrangements
Solenoid - controlled from the cab	YES	YES	YES	YES
Weight [kg]	502	546	590	634
Hydraulic engine	160	160	160	160
Oil flow [l/min] roboczy	57/75	57/75	57/75	57/75
max.	68/95	68/95	68/95	68/95
Pressure [bar]	170/170	170/170	170/170	170/170
max.	190/275	190/275	190/275	190/275



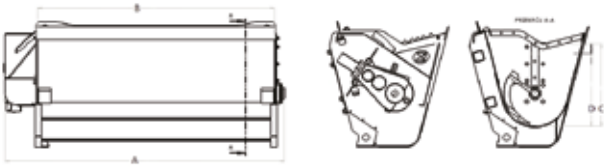
The MTp Mixer for concrete is a new, improved type of MT mixer. The novelties used in the mixer are:

- drainpipe Ø 225 mm
- trigger guard and hydraulic cylinder of the lower slide
- changes of the agitator
 - construction accelerating the emptying of the mixer from the processed mass
 - additional mixing band in the middle part to accelerate the mixing process
- reinforced gear transmission with hydraulic drive
- optimized shape of the safety grille facilitating filling



MIXER FOR CONCRETE MT_p

TECHNICAL DATA



BASIC EQUIPMENT

- drive with hydraulic system
- assembly options to choose from: SMS, EURO
- mixing screw
- drain opened hydraulically
- safety valve

ADDITIONAL EQUIPMENT

- drainpipe of fi 225 mm
- mounting adapted to the customer's machine

Model	MTp-180	MTp-200	MTp-220
Total width A [mm]	2140	2340	2540
Working width B [mm]	1800	2000	2200
Depth max C [mm]	660	660	660
Capacity max - C [l]	655	727	800
Effective depth D [mm]	580	580	580
Effective capacity - D [l]	549	610	671
Gear	YES	YES	YES
Diameter of the stirrer [mm]	500	500	500
Thickness of the mixing element [mm]	12-15	12-15	12-15
Bottom drain-hydraulics	YES	YES	YES
Drain pipe diameter [mm]	225	225	225
Mixer mounting	by arrangements	by arrangements	by arrangements
Solenoid - controlled from the cab	YES	YES	YES
Weight [kg]	664	706	748
Hydraulic engine	160	160	160
Oil flow [l/min] roboczy	57/75	57/75	57/75
max.	68/95	68/95	68/95
Pressure [bar]	170/170	170/170	170/170
max.	190/275	190/275	190/275



A perfect device to screen natural materials such as gravel, sand or aggregates of various types.

The machine is driven by a gear motor with the hydraulic connectors of the machine to which it is assembled, additionally protected by overflow valves.

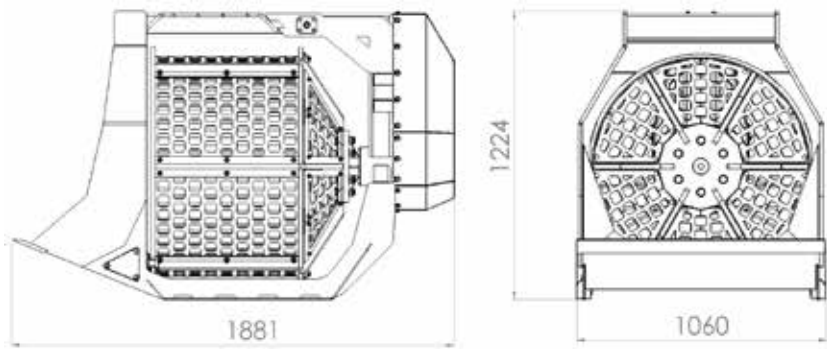
The bucket basket has replaceable sieves with different mesh sizes: 30x30, 40x40, 50x50, 60x60.

As standard, the screen produced by us is equipped with two fittings: upper - for excavators and rear adapter for front or telescopic loaders.



SCREENING DRUM PSB

TECHNICAL DATA



	PSB-250	PSB-500	PSB-1000
Load weight [t]	2-5	7-12	18-26
Own weight [kg]	250	580	1500
Diameter of the basket [mm]	750	930	1200
Depth basket [mm]	730	824	1140
Total capacity [l]	250	500	1000
Oil flow min. [l/m]	40/60	40	57/75

BASIC EQUIPMENT

- drive with hydraulic system
- screening panels 50x50
- blade HB500

ADDITIONAL EQUIPMENT

- mounting
- screening panels in other sizes
- screening panels made of HB500 steel
- front mounting frame - adapter



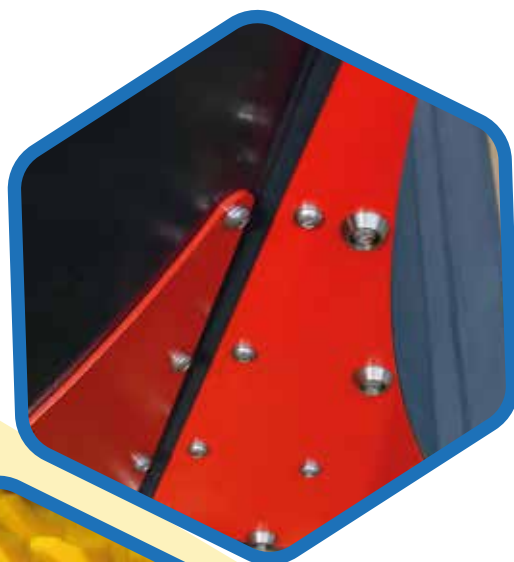
The PSG star screen is a machine used for screening (fractionation) of various types of bulk materials. It can be used, for example, for: soil, humus, peat, sand (gravel) and shale aggregates - without the possibility of crushing or grinding them.

The main working elements are rotating flexible stars that allow mechanical separation of mixed materials. The number of them (about 100) is also not insignificant, which translates into the machine's working surface and thus its high working capacity. The stars are placed alternately in several rows of rotating shafts. Such a solution prevents clogging of the sifter and makes it suitable not only for dry but also slightly damp materials.

The aforementioned stars are made of polyurethane, which is characterized by:

- constant physical properties in the temperature range from -20 to +50 degrees Celsius.
- UV and hydrolysis resistance,
- high mechanical resistance to abrasion, compression, tearing,
- they do not evaporate, they do not age,

The lifespan of the stars can be up to a few years, and it depends on the type of processed (reworked) material.



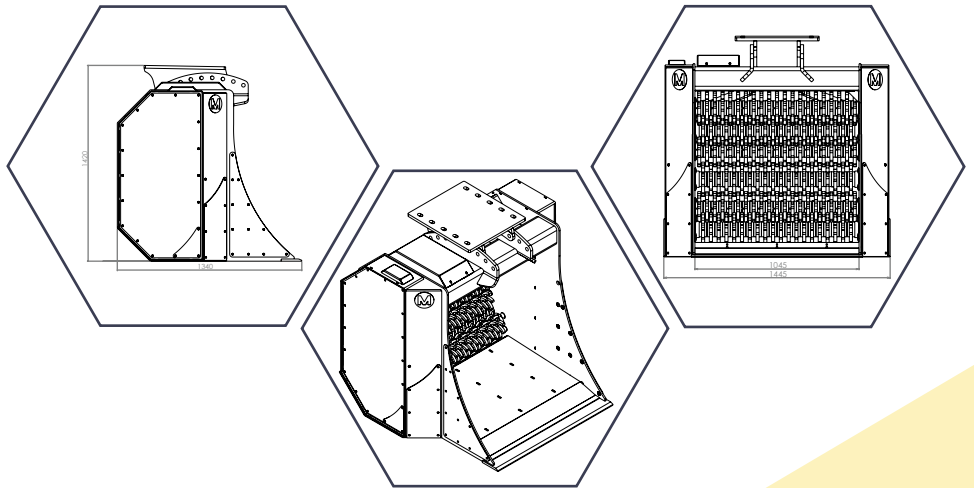
STAR SCREENING UNIT PSG 800

ADVANTAGES:

- directional valve to prevent bad connection to the machine's hydraulic system,
- hydraulic motor overload valve,
- flow regulator (used to change the speed of the stars)
- supply from a standard hydraulic line,
- bolt-on and angle-adjustable mount, ergonomic and compact design.

TECHNICAL DATA

Model	PSG
Carrier weight [t]	12-18
Unladen weight [kg]	890
Basket height [mm]	1400
Basket depth [mm]	1045
Theoretical/working capacity [l]	800/600
Working oil flow [l/m]	40/57



The ZMW sweeper is extensively used for cleaning concrete surfaces. Adapted for small municipal tractors, it is suitable for cleaning housing estates, squares, parking lots, sports facilities, etc. The waste hopper integrated with the machine facilitates the collection of all kinds of waste. Installing the optional side brush will remove debris at curbs and hard-to-reach areas.

The sweeper can also be upgraded with a water tank that prevents dust from flying up while the machine is running.

The machine uses a segmented polypropylene brush with a diameter of 400 mm and bristle thickness of 1.6 mm, which can be replaced by a mixed (polypropylene + wire) brush if required.

The ZMW sweeper is driven by a power take-off shaft. Optionally, a hydraulic drive can also be used for operation.

The functionality of the sweeper is increased by the adjustment of the working angle, normally this is done mechanically and allows you to set the maximum angle of 19 degrees. Optionally, the sweeper can be equipped with a hydraulic adjustment of the working angle (hydraulic section is required in the machine on which the sweeper will operate).

An innovative suspension system is used in the sweeper, providing the machine with the terrain copying function. A category I or II three-point hitch attachment is normally fitted.

ADVANTAGES:

- Sweeping width: 120cm, 135cm, 150cm
- Compact rigid design integrated with the waste bin
- The possibility to have it adapted to any type of loader, forklift, tractor

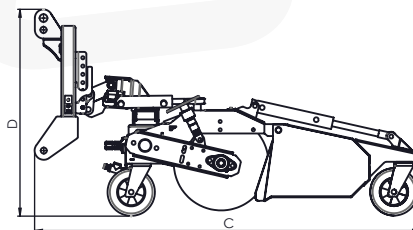


| SWEEPER ZMW

TECHNICAL DATA

	ZMW120	ZMW135	ZMW150
A - working width [mm]	1200	1350	1500
Brush diameter [mm]	400	400	400
B - total width [mm]	1460	1610	1760
C - length [mm]	1620	1620	1620
D - height [mm]	868	868	868
Weight* [kg]	200	215	230
Basket capacity [l]	138	149	160

*without a PTO shaft and a side brush, with a cat. I/II three-point hitch attachment



Media requirements			
Power [km]	PTO shaft revolutions [rpm]	Oil flow rate [l/min]*	Oil pressure [bar]*
15	540	15	140

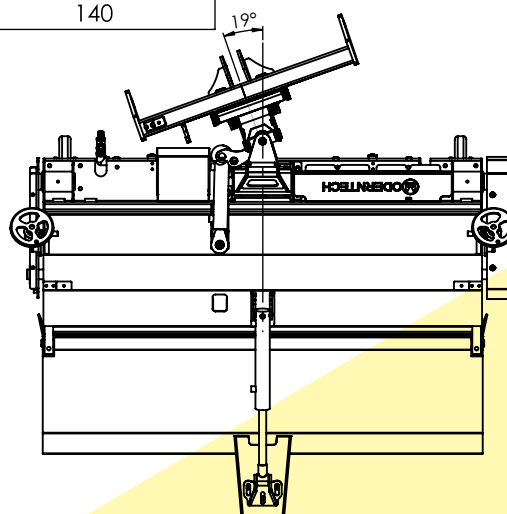
*in the case of a hydraulic drive.

BASIC EQUIPMENT

- manual steering
- a polypropylene brush
- mechanical drive via WOM
- three-point hitch attachment

ADDITIONAL EQUIPMENT

- sprinkler system (a rear-mounted hopper)
- a side brush
- hydraulic steering control (additional hydraulic section required)
- combination polypropylene/steel wire brush
- hydraulic drive (additional hydraulic section required)
- mounting other than standard



The machine is supplied without a power take-off.



SKITER MT380 is a mini loader designed for use in agriculture, horticulture, industry, construction and other related fields. The large number of accessories makes it have a wide range of applications and functionality.

The compact size makes it possible to work in locations inaccessible to larger equipment. Skid steer loaders use skid steers. The advantages of such a solution are maneuverability and ease of use - the skid steer is able to make a full turn on the spot. The nominal lifting capacity is 200kg and the maximum is 375kg, this allows to significantly accelerate the pace of the works and reduce the labor input. These features make it a multi-purpose vehicle with multiple uses.

Reliable and well-thought-out design guarantees trouble-free operation and facilitates maintenance work. The Briggs&Stratton two-cylinder engine provides an adequate power reserve (17kW) and allows the vehicle to accelerate up to 6km/h. The hydraulic system is equipped with a radiator with a fan to ensure optimal operating temperature.

The mounting system for external accessories allows for quick installation of sweepers, forks, blades, drills and many other types of attachments.



SKITER MT380

TECHNICAL DATA

Power (KW)	17KW
Starter motor	Elektryczny
Rated loading weight	200kg
Bucket capacity	0.15 m³
Max. lifting weight	375kg
Work speed	0-6 km/h
Machine Operating Weight	890 kg
Fuel tank capacity	25L
Oil tank capacity	25 L
Engine Oil	1.7L
Dimensions (mm)	2285x1270x1155
Max. unloading height	2100 mm
Biggest height unloading	1500 mm
Bucket width	1150 mm
From ground height	90 mm
Wheelbase	685 mm



Frames made of high quality steel, designed for forks for excavators, loaders, loaders and forklifts.

The frames have step adjustment in spacing, thanks to which they guarantee matching to forks.

As a standard, the 2A frame has welded 880mm forged bushes, so it can be used as forks to transport e.g. bales.

BASIC EQUIPMENT

- mounting EURO
- step adjustment of the fork width

ADDITIONAL EQUIPMENT

- mounting adapted to the customer's machine



Model	2 A	3 A
Frame width [mm]	1200	1200
Frame height [mm]	407	508
Weight [kg]	59	106
Capacity [kg]	to 2500	to 5000

* ON OFFER WE HAVE FORKS FOR THE FRAMES

FRAMES TO FORKS

SWEeper ACCESSORIES



Steel rings

Inner diameter [mm]	Outer diameter [mm]	Material
5"	600	steel
6 3/8"	600	steel



Polypropylene rings - bent

Inner diameter [mm]	Outer diameter [mm]	Material
5"	500	PPN
6 3/8"	600	PPN



Polypropylene rings for snow

Inner diameter [mm]	Outer diameter [mm]	Material
5"	500	PPN



Disc brush

Diameter [mm]	Diameter [mm]	Material
320	500	PPN/steel



Brush strip

Width [mm]	Height [mm]	Material
500	250	PPN
1000	250	PPN



Metal and rubber wheel

Diameter [mm]	Track width [mm]	Material	Weight [kg]
200	40	rubber	3,5
200	70	rubber	7



Reinforced polyurethane wheel

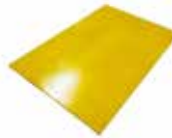
Diameter [mm]	Track width [mm]	Material	Weight [kg]
200	50	PU	7
200	60	PU	7,5



Mountings

- default machines are equipped with EURO clamping.
- mounting adapted to the customer's machine

POLURETHANE ELEMENTS OUR PRODUCTION



Elastomer mats

Width [mm]	Length [mm]	Thickness [mm]
700	500	6
600	500	6
750	500	7
680	480	8
900	600	10



Aluminum and polyurethane wheel

Diameter of a circle	Hole diameter	Width	Track width [mm]
180 mm	20 mm	60 mm	47 mm
200 mm	20 mm	60 mm	47 mm



Polyurethane blades

Length [mm]	Height [mm]	Thickness [mm]
735	150	20, 25, 30
1000	150	20, 25, 30
1500	150	20, 25, 30
2000	150	20, 25, 30
2500	150	20, 25, 30
3000	150	20, 25, 30



Pallet truck rollers

Bearing designation	Hole diameter	Width	Diameter
6204 lub 6004	20 / 17 mm	60 mm	80 mm
6204 lub 6004	20 / 17 mm	70 mm	80 mm
6204 lub 6004	20 / 17 mm	80 mm	80 mm
6204 lub 6004	20 / 17 mm	90 mm	80 mm



Shock absorbers for aggregates

Polyurethane shock absorbers are designed for disk aggregates showing very good mechanics and work flexibility.



Stress balls for pigs

Diameter: 55 - 75mm

- Provides fun
- Provides distraction - prevents aggressive behavior.
- Teether / ball made of polyurethane, while the metal parts made of stainless steel



Magnetic fork covers

Polyurethane magnetic fork covers designed to protect transported loads from slipping off the forks and to protect loads that could be damaged or scratched during contact with the forks

ACCESSORIES

**EVERYDAY BUSHING
FOR INCREASED STABILITY, COMFORT AND SAFETY**



NON-REMOVABLE EXHAUST SYSTEM BRACKETS



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POLYURETHANE BUSHING





ABOUT US

Moderntech has operated on the market since 2011. The company has two business profiles. The first involves the production of municipal machinery. The second one concerns the production of polyurethane sleeves used in car suspensions and polyurethane elements used, inter alia in the production of our machines.

The purpose of the company is to continuously improve and increase the standard of its machines and sleeves.

Over the years, commitment, innovation, modernity and the highest quality have resulted in the fact that the machines and devices produced by the company compete on international markets and successfully win them.

We guarantee high quality and reliability of our machines and sleeves due to the use of the modern machinery park and qualified employees.

We are able to deliver machines produced by us to customers throughout Europe. In addition, we provide service of the machines and access to spare parts.



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