

## OPERATING MANUAL

### ELECTRIC PAVING MACHINE

# MICKEY155/255



MANUFACTURER:  
CATCHSHIFT Sp. z o.o.  
ul. Przemysłowa 2  
64-200 Wolsztyn  
NIP: 9231720420  
REGON: 369338871  
POLSKA  
T: +48 68 347 58 57  
E: [kontakt@catchshift.com](mailto:kontakt@catchshift.com)

<b>1</b>	<b>General Information .....</b>	<b>3</b>
<b>2</b>	<b>Safety.....</b>	<b>3</b>
	2.1 Terms and Definitions .....	3
	2.2 General Safety Instructions .....	4
	2.3 Detailed Safety Instructions .....	4
	2.4 User Safety Measures .....	5
	2.5 Safety Pictograms .....	7
	2.6 Intended Use .....	9
	2.7 Operator, Qualified Personnel .....	10
	2.8 Emissions .....	11
<b>3</b>	<b>Fighting Fire .....</b>	<b>11</b>
<b>4</b>	<b>Transport, Shipment .....</b>	<b>11</b>
<b>5</b>	<b>Machine Description – Design and Operation .....</b>	<b>12</b>
	5.1 Before Work .....	13
	5.2 Algorithm of work .....	13
<b>6</b>	<b>Operation .....</b>	<b>17</b>
	6.1 Methods of checking the operation .....	19
	6.2 Inspection and Maintenance Report .....	20
	6.3 Changing/attaching the suction cup.....	21
	6.4 Cleaning the filter .....	22
	6.5 Spare parts .....	25
<b>7</b>	<b>Troubleshooting .....</b>	<b>26</b>
	7.1 Mechanical faults .....	26
	7.2 Cleaning.....	26
<b>8</b>	<b>Shutdown, storage .....</b>	<b>26</b>
<b>9</b>	<b>Disposal .....</b>	<b>27</b>
<b>10</b>	<b>Technical data .....</b>	<b>28</b>
<b>11</b>	<b>Attachments .....</b>	<b>28</b>

## 1 General Information

Follow the Manual to ensure safe and effective use of the machine. The Manual contains safety information that must be rigorously observed. The operating personnel must have a complete copy of the Operating Manual and adhere to the provided information and instructions.

## 2 Safety

### 2.1 Terms and Definitions

**Operator:** A person who operates or uses the vacuum equipment.

**Load:** An object to be handled and/or lifted using vacuum equipment.

**Safe Working Load:** The maximum weight of the load that the vacuum equipment can safely handle.

**Suction:** Sucking the suspended load to the suction cup as a result of valve actuation.

**Sucking off:** Releasing the load by allowing air to enter the suction cup as a result of valve actuation.

**Service Technician:** A professional responsible for the inspection, maintenance, and repair of the vacuum lifting equipment.

**Load Factor:** The ratio of the maximum design load that can be lifted with the device, to the safe working load indicated on the device.

**Test Factor:** The ratio of the load used in the static test of a vacuum lifter, to the safe working load indicated on the equipment.

**Static Test:** A test in which the vacuum lifter should be able to withstand a static force of twice the safe working load without permanent deformation or visible damage after the force is removed.

**Holding time test:** Once the suction cup is in the vertical position, the (non-porous) load is lifted to the value of the safe working load. The vacuum pump is then switched off using the main switch. In this state, the vacuum lifter holds the load for 1 second.

**Load lifting height:** The working height should not exceed 20 cm above ground level when lifting and moving the load. The lower, the safer it is for the operator. Use extreme caution when lifting above 20 cm. The maximum load-lifting height is 50 cm.



## DO NOT PLACE HANDS OR FEET UNDER RAISED LOADS

### 2.2 General Safety Instructions

- Upon commissioning, the machine is a state-of-the-art piece of equipment, considered safe for use.
- The machine may pose a hazard to people or other equipment. There is also a risk of its damage if:
  - it is operated by unqualified personnel,
  - it is misused.
- Visually inspect the machine at least once a day for any signs of visible external damage and verify the operation of safety and protection equipment.
- If you notice any defects, unusual noises, or other changes in the machine operation, the operator must immediately switch off the machine and report it to an authorized service technician.
- Tidiness at the workplace is crucial for safe work, and the working surfaces should be cleaned of grease, oil, and unnecessary parts.
- It is forbidden to install additional accessories, make alterations or modifications to the machine. Nevertheless, if it is necessary to modify the device, the manufacturer must be contacted.
- Every person who uses the machine must observe all the safety instructions and comply with all the regulations, specifications, and instructions in the Operating Manual and the general rules of health and safety at work. The user is obliged to pass on the information mentioned above to the person using the machine to prevent damage to the device and ensure safe operation.
- **It is necessary to use a power supply equipped with a residual current circuit breaker.**
- **Only use grounded extension cords (with an additional protective conductor).**

### 2.3 Detailed Safety Instructions

The following safety instructions must be strictly observed:

- The device may only be used by trained personnel.
- All work related to the inspection and maintenance of the device may be performed only by the authorized service center.

**Any person operating or using this device must read this manual carefully, understand it and strictly adhere to the information contained in it.**

- This equipment is intended for outdoor or indoor use in temperatures ranging from 0°C to +40°C, and temperatures ranging from -10°C to 0°C with extreme caution.
- It is forbidden to use the machine outdoors during rain or snowfall.
- The device is not intended for use in special-purpose rooms, such as explosion hazardous rooms (ATEX), etc.
- Before starting any service work, please switch off the machine and disconnect it from the power supply.
- Stop using the machine immediately if the nature of the performed work may damage the device, other equipment or expose people to any danger.

The user is obliged to do the following:

- Notify a Catchshift representative of any changes that directly or indirectly affect the safety of use;
- Only use the machine when it is fully operational;
- Always inspect the machine for visible damage and missing equipment and immediately report any changes when handling loads other than those for which the machine is intended!
- Changes that could affect the safety of the device are not allowed. Catchshift is not responsible for any consequences of such changes;
- Use only the manufacturer's original spare parts. In case of using parts from other manufacturers, Catchshift takes no responsibility for the operational safety of the device;
- In case of a sudden loss of vacuum in the system, the handled load must be immediately unloaded or otherwise prevented from falling off the suction cups.



**IT IS FORBIDDEN TO STAND UNDER THE HANDLED LOAD!  
IT IS FORBIDDEN TO PLACE LIMBS (ARMS AND LEGS) UNDER  
THE HANDLED LOAD!**

The safety instructions listed above are only supplementary to the local health and safety regulations.

## **2.4 User Safety Measures**

The rules for observing the safety measures are as follows:

- Through appropriate in-house instructions and inspections, ensure that the workplace environment is always clean and tidy.

- Installation, initial start-up, maintenance, repair, other works, and interventions on the machine may only be carried out by qualified service personnel;

Special attention must be paid to:

- Technical data and information on the authorized use of the machine and its accessories;
- General and specific local building and safety regulations;
- Use of personal protection equipment;
- The proper use of handling tools, lifting, and auxiliary equipment;
- Specific risks associated with the use of the machine under unusual conditions that are not mentioned in the Operating Manual and are not expressly prohibited, e.g., use in disabled facilities by operators whose physical and mental qualities are not taken into account by the general standards. In such situations, it is necessary to consult the factory and the relevant professional associations;
- Use fencing tape, construction fencing, or similar to cordon off the construction site.

**Sources of danger to humans and the environment:**

- Tripping hazard due to scattered packing material, tools, machines, and their accessories;
- Risk of jamming, crushing, and death in the result of overturning of the machine or its drop during set up, falling of the device due to the use of unsuitable transport and lifting equipment or accessories, technical defects, or human error;
- Risk of the load becoming detached from the suction cup.

**Protective measures and operating principles:**

- Work may only be performed by authorized personnel, following information given in the Operating Instructions;
- Use the required personal protective equipment;
- Use only suitable means for transport, lifting, and positioning;
- Always keep body and limbs away from the danger zone;
- Unauthorized persons should stay away from the danger area.



**Do not lift the load when the pressure gauge indicator is in the red area, and the vacuum pump is not running!**

Lower the load as quickly as possible if the pressure gauge indicator is in the red area and the vacuum pump is not working.

### **Attention!**

**If the vacuum pump fails, the load will only be held for one to three seconds after the vacuum falls below the required level (<-0,20 bar)**

#### **To ensure safe operation of the equipment:**

- The operator should have and use hearing protection;
- While lifting, the operator should be within a hearing and seeing distance from the equipment so that he/she can hear and see the operation of the machine;
- The operator of the equipment should remain in constant contact with the other operator, relying on pre-established, precise methods of communication.

#### **Precautions when working in temperatures ranging from -10°C to 0°C:**

- To ensure adequate friction between the suction cup and the load, both the suction cup surface and the load suction surface must be dry and clean. For this purpose, moisture, snow, and ice must be removed.

## **2.5 Safety Pictograms**



All safety instructions have a uniform structure:

<b>Pictogram</b>	(describes the type of risk)
<b>Signal word</b>	(describes the degree of risk)
<b>Text of the tip</b>	(describes the risk and informs how to avoid it).

#### **Safety instructions on the machine**



#### **Warning!**

Attention: Electrical device!



Use hand protection



Attention: Hand jamming hazard



Attention: Protect your head



Attention: Use hearing protection

Keep all the safety instructions on the machine in a legible state and replace them if necessary.

## 2.6 Intended Use

Considering its weight, **MICKEY 155/255** vacuum lifting device is designed for manual lifting of concrete elements by two operators. The maximum permissible load is 155 kg, with the maximum load specified in the table below:

Manual lifting of concrete elements:	<b>MICKEY 155</b>
Continuous operation	max 29 kg
Occasional work	max 69 kg

The enhanced version of **MICKEY 155/255** vacuum lifting machine can be attached/suspended to a suitable means of transport (crane, construction vehicle, forklift, etc.) using the available top bracket adaptation (chain adaptation). The operation must be carried out using a safety chain. The maximum permissible load is 255kg.

- to be used only under operating conditions specified in this Operating Manual,
- to be used only within the respective operating limits.



The intended use also includes:

- observing all instructions given in the Operating Manual;
- inspection and maintenance work.

Any other use exceeding the guidelines mentioned above is considered to be non-intended. In particular, it is unacceptable to use the machine:

- for flammable, inflammable, or explosive materials,
- for aggressive, infectious, or toxic materials,
- for hazardous materials in any other way,
- during rain or snowfall,
- living organisms and materials, the processing of which violates any statutory provisions, the generally accepted rules of conduct, or good manners.

In particular, it is forbidden to use damaged suction cups. Any violation of the **intended use** excludes the manufacturer's liability for consequential damages. The operator/user, responsible for adhering to the intended use, bears the sole risk.

## 2.7 Operator, qualified personnel

### User

The user is every natural or legal person who uses the machine or upon whose instructions the machine is used. The user must ensure that:

- all the relevant regulations, instructions, and laws are observed;
- only trained and instructed persons work with the device;
- the Operating Manual is available to the personnel during work;
- the training instruction is confirmed in writing;
- the instructed persons are only allowed to work on the machine under the supervision of experienced professional;
- all safety equipment is checked regularly.

### Qualified personnel

<b>Persons</b>	Operator	Foreman	Serviceman
<b>Activity</b>			
Packing, transport	x	x	x
Start-up		x	x
Use	x		x
Troubleshooting	x	x	x
Eliminating mechanical faults		x	x
Eliminating electrical faults			x
Adjustment, preparation	x		x
Maintenance	x		x
Minor repairs		x	x
Shutdown, storage		x	x

Qualified personnel include persons, who through their knowledge, appropriate education, experience, and training in the standards and rules of the machine use, as well as knowledge of safety regulations and working conditions, have been assigned by a person responsible for maintaining continuous operational safety of the machine, to ensure the correct functioning of the device, and remove any problems that could compromise safety of the machine's operators.

## 2.8 Emissions

MICKEY 155/255

Occupational exposure assessment			
Standard	Rating indicator	Standard	Occupational exposure
hygienic (w.g. T.j. Dz.U. 2017,poz 1348)	Daily noise exposure level Lex.8h(dB)	85	83,1 (+1,4)
	Maximum sound level LA max.(dB)	115	88,7 (+2,5)
	Peak sound level LC peak.(dB)	135	99,9 (+2,5)
Action threshold value (wg. Dz.U. nr 157 z 2005 r.,poz. 1318)		80	

## 3 Fighting Fire

**Fighting fires caused by the machine.**

- Depending on the product, the user must determine on his own the appropriate actions to be taken to combat fire, smoke, and harmful substances.

## 4 Transport, Shipment



### **Danger!**

The machine may fall during transport, causing severe injuries or death. Transport the machine slowly and as low as possible using sufficiently robust transport equipment.

(⇒ See technical data: weight and outer dimensions of the machine).

Please observe the health and safety regulations for the corresponding cranes, loading and gripping parts!

### **Before transportation**

- Switch off the machine.
- Fold the appliance into the transport position (Photo 1).

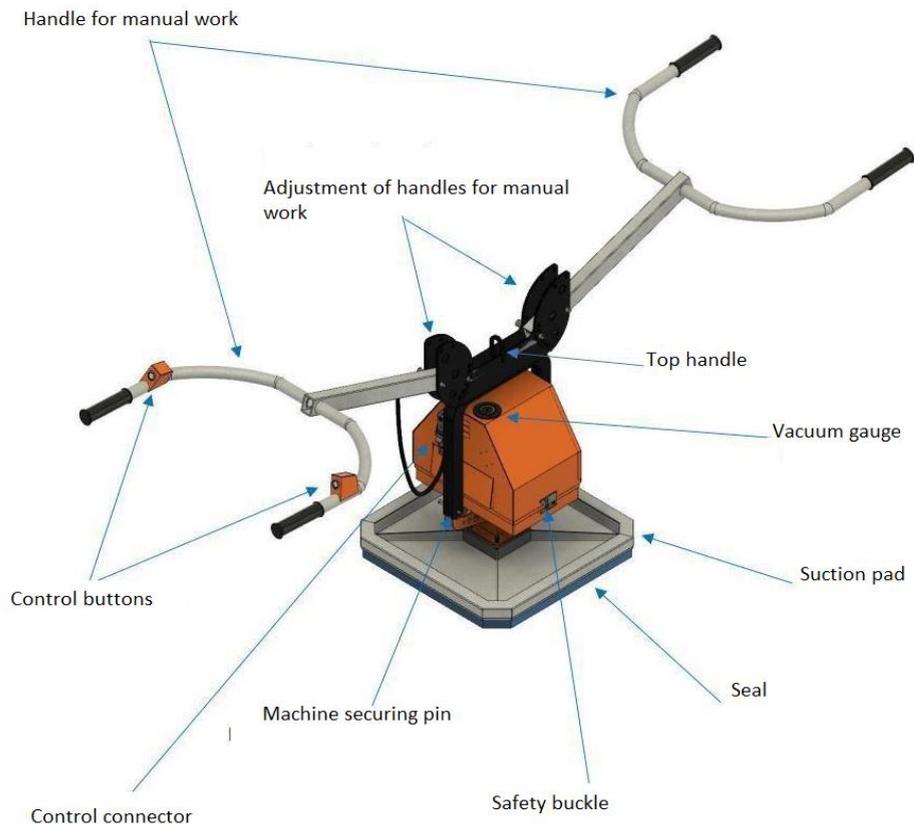


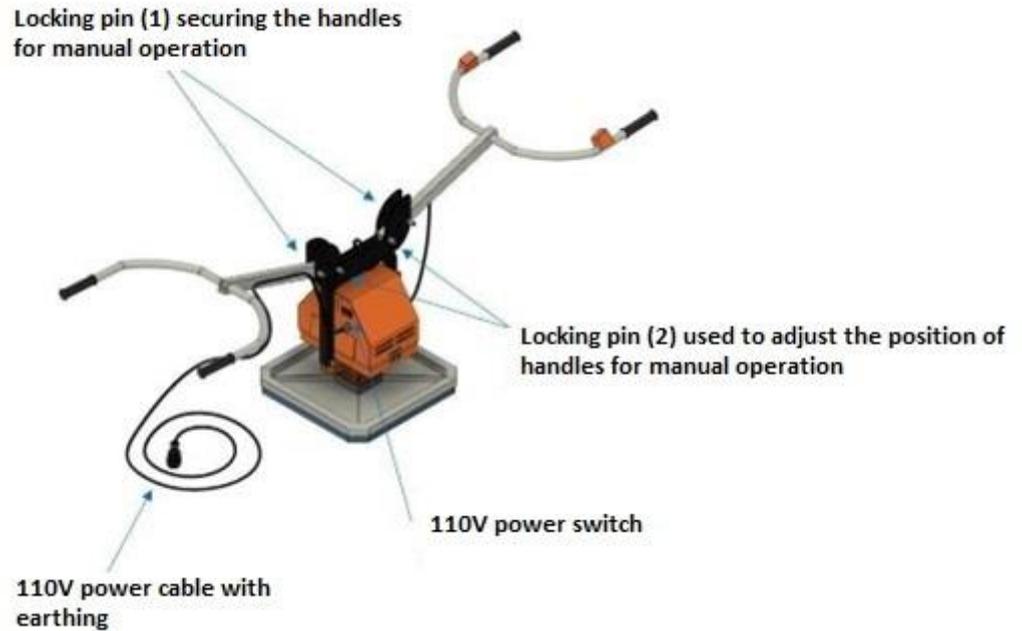
**Photo 1**

- Pack any loose equipment separately.
- Protect the machine against adverse weather conditions.

**Transport with forklifts or hand pallet trucks with sufficient load capacity.**

## 5 Machine Description – Design and Operation





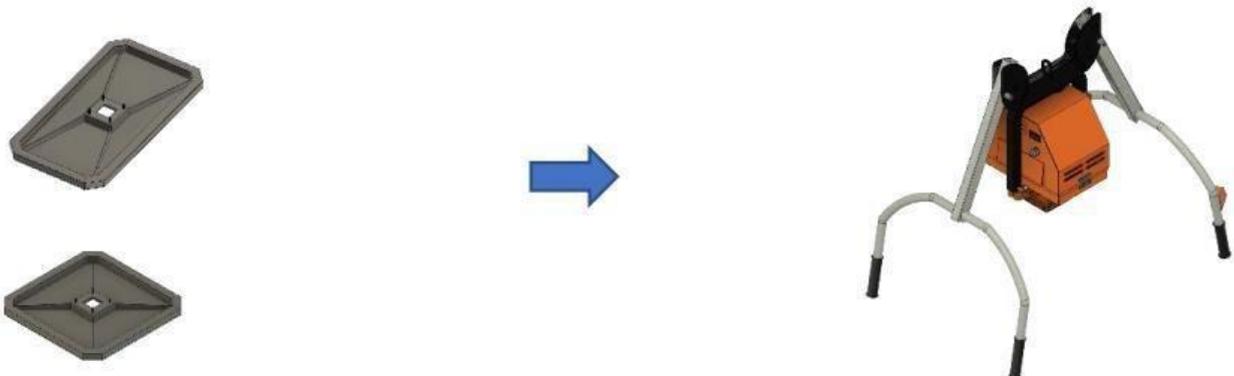
## 5.1 Before work

The machine is delivered ready for direct start-up, together with a power supply cable and 110V plug. Before start-up, the device must be checked for missing parts and any damage that may have occurred during transport. Before starting work:

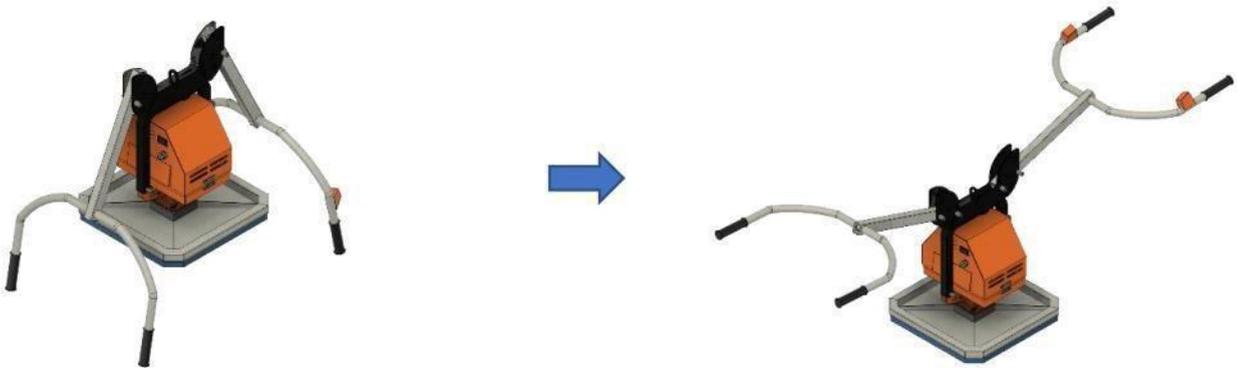
1. Check that the machine is complete,
2. Have an adequate supply of precast units ready for placement;
3. Check that the weight of the precast elements does not exceed the machine's load capacity according to the material specification.

## 5.2 Algorithm of work

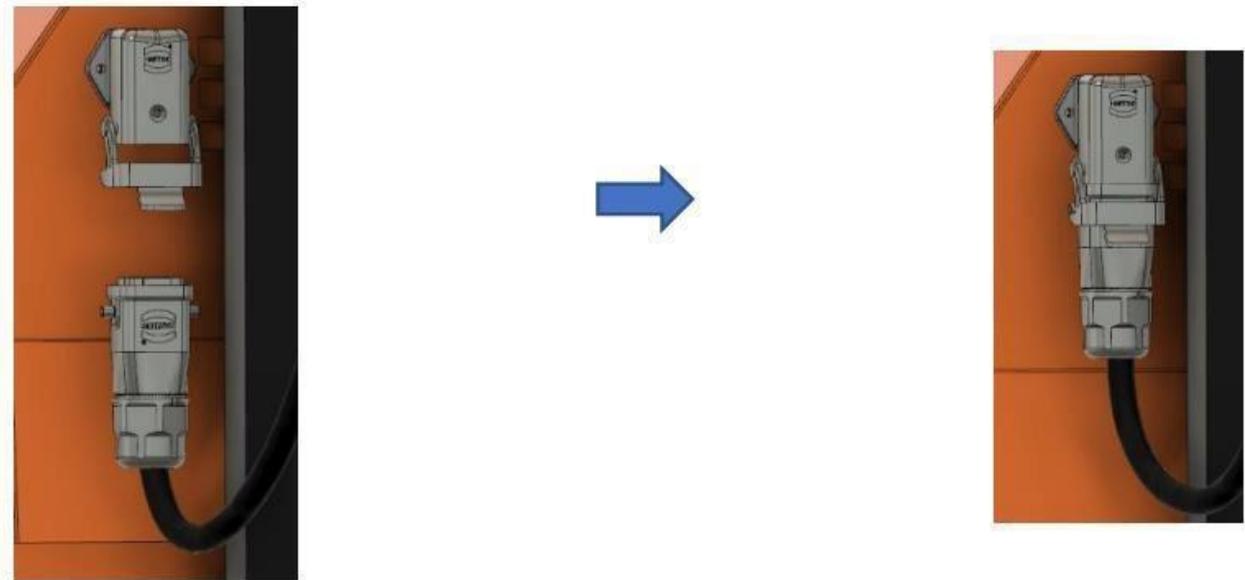
1. Before starting work, select a suction pad suitable for the material to be lifted.



2. Then check the condition of the suction cup seal for any signs of damage. Make sure that neither the machine nor any of its components have any cracks/damage.
3. Unfold the handles of the machine from the transport position into the working position.

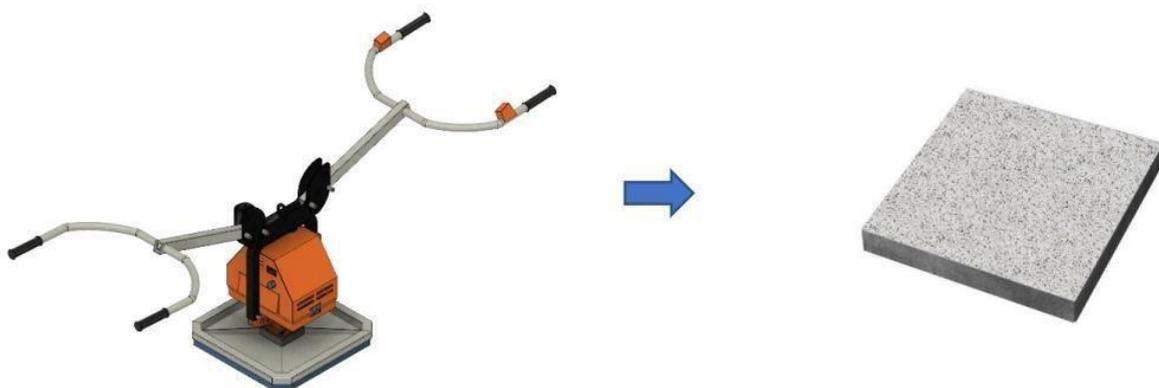


4. Connect the handle control connector to the machine (if not already connected).



5. Connect the power cord plug to 110 V mains supply **(do not use extension cables without earthing!). The mains or a power generator must be equipped with a residual current circuit breaker. Failure to follow these instructions may result in electric shock!!!**

6. Place the device on the element that will be lifted.



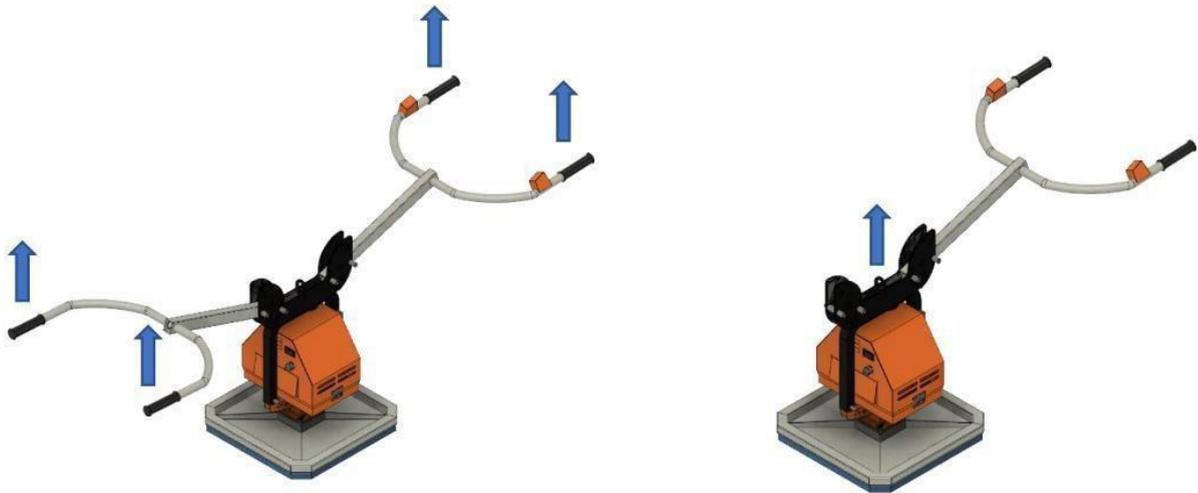
7. Switch the machine on using the mains switch on the device.



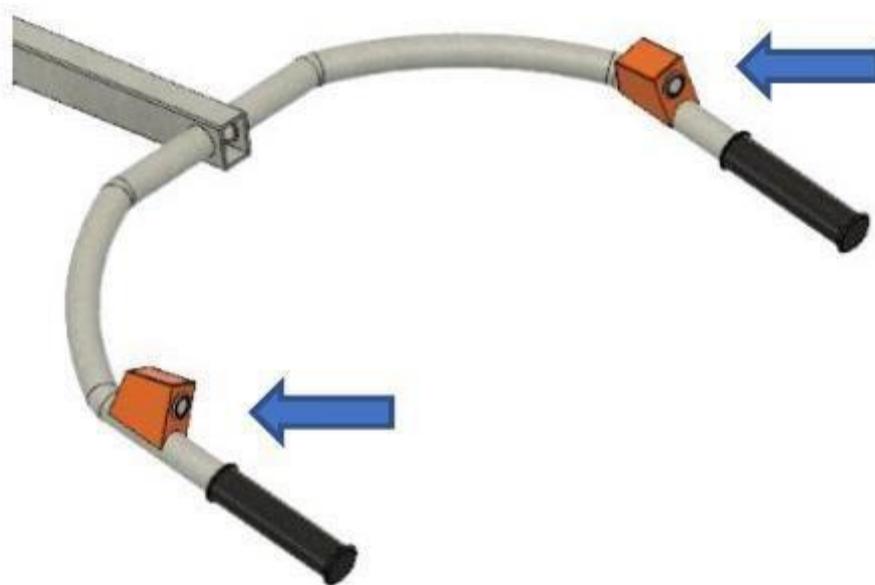
8. The machine will immediately become attached (sucked in) to the material which is to be lifted.
9. Check the pressure gauge on top of the machine. If the pointer on the pressure gauge is in the green area, you can move the suctioned element to its final position.



10. Use the machine side handles for manual handling. The machine can also be suspended from a lifting device using the eyelet on top of the machine.



11. Position the handled element. To suck off – press both buttons on the machine handles at the same time.

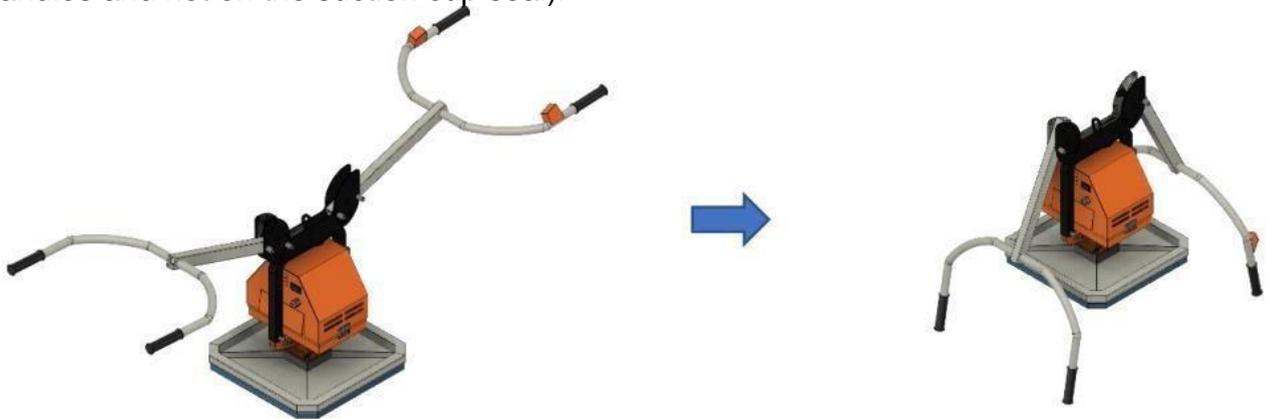


12. When the machine is lifted, release the buttons, and place the suction cup on the next part.

13. When the work is finished, turn off the power using the power button on the machine.

14. Unplug the power supply cable.

15. Fold the handles into the transport position (the machine must stand on the folded handles and not on the suction cup seal).

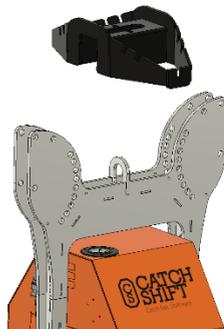


16. Coil up the power cord and secure it.

**Do not leave the machine switched on and suctioned when not in use!!!**

## 6 Using machine suspended on the top eyelet – algorithm of work

1. Place the chain adapter on the body of the machine stand.



2. Remember that the transported load must never be lifted without additional protection in the form of a chain.
3. The load-securing chain must be firmly attached to the transported load. The load safety chain must never be left hanging loosely under the load!

## 7 Operation

### Executing personnel (operator and foreman)

- Only instructed personnel who are familiar with the safety regulations
- ⇒ refer to chapter: "Operator, qualified personnel".

### Maintenance operations:

Only technically trained specialists (operator, foreman) may undertake inspection and maintenance activities. For repairs and annual servicing, contact **Catchshift Sp. z o.o.** or authorized service center. The replacement parts must be original. They are supplied by **Catchshift Sp. z o.o.** who guarantees their suitable characteristics and high quality. Modifications to the machine are not allowed as they may impair safety during operation.



**The reliable and safe operation of the machine cannot be guaranteed if the above instructions are not followed. Catchshift Sp. z o.o. is not responsible in such cases.**

### **Periodic inspections and tests**

The following steps and maintenance intervals are included as a minimum. More frequent maintenance is recommended when circumstances require, e.g., in case of intensive use resulting in increased wear, corrosion, or damage.

### **Daily**

- a) Check the suction cup gasket for wear and tears (replace if necessary).
- b) Check the vacuum system for leaks.
- c) Check the mechanical condition of the lifting handle.
- d) Check the operation of the pressure gauge.
- e) Clean the filter.

### **Monthly**

- a) All activities of the daily maintenance schedule,
- b) Check the vacuum pump's control system.

### **Once a year**

**Note: We recommend the annual service to be carried out by Catchshift Sp. z o.o. or an authorized service center**

- a) All activities of the monthly maintenance schedule.
- b) Static test.
- c) Check pump performance.
- d) Check pressure gauge indications for correctness.
- e) Check the controls' operation.
- f) Replace the seal profile between the machine and the suction cup.
- g) Check the condition of the power and control cables.
- h) Replace the filter.
- i) Thoroughly check other elements of the machine.

Compulsory inspections must also be carried out. Follow the regulations of the country in which the machine is operated. The device has no moving parts requiring lubrication. The vacuum pump is entirely maintenance-free.

Never use solvents, gasoline, or other chemicals to clean the rubber part of the suction cup.

Inspections and repairs must be documented in writing. The following forms attached as appendices to this Manual should be used for this purpose:

- Inspection and Maintenance Report;
- History of Maintenance.

## **6.1 Methods for checking the operation.**

### **Static Test**

With the suction cup in a horizontal position, lift a non-porous load of twice the permitted working load.

The load must be held, and after its release, the device should not show any visible signs of permanent deformation.

## 6.2 Inspection and Maintenance Report

Machine no.: .....

Type: .....

User: .....

The person carrying out inspection/maintenance: .....

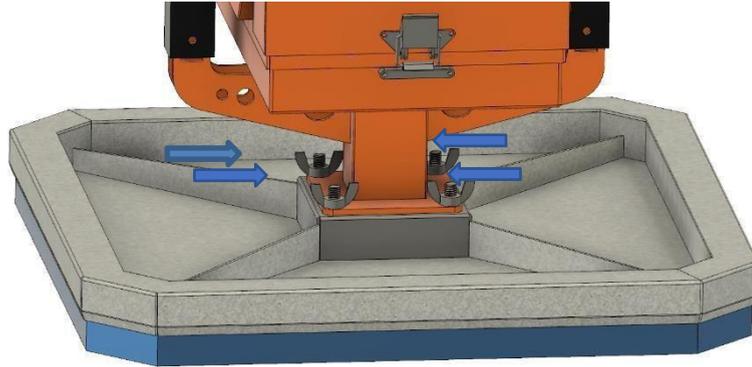
No.	Device	Description of activity	Limit value	Daily	Monthly	Once a year
1	Suction cup	Check the sealing profiles for cracks and wear		x	x	x
		Replace the sealing profile - as required				
2	Mechanical elements	Check lifting handle and pins		x	x	x
		Check the condition of the pins (against falling out)		x	x	x
3	Filter	Clean as instructed		x	x	x
4	Tests	Static load test	2x working load			x
		Check suction cup gasket for wear and tears (replace if necessary)		x		
		Check the vacuum system for leaks		x		
		Check the mechanical condition of the lifting handle		x		
		Check the performance of the pressure gauge		x		
		Clean the filter		x		
		All activities of the daily maintenance plan			x	
		Check the vacuum pump control			x	
		All activities of the monthly maintenance plan				x
		Perform the static test				x
		Pump performance				x
		Correctness of pressure gauge readings				x
		Correctness of control buttons indications				x
		Replace the sealing profile between the machine and the suction cup				x
		Condition of the power supply and control cables				x
		Replace the filter				x
		Detailed inspection of other machine components				x

Signature:

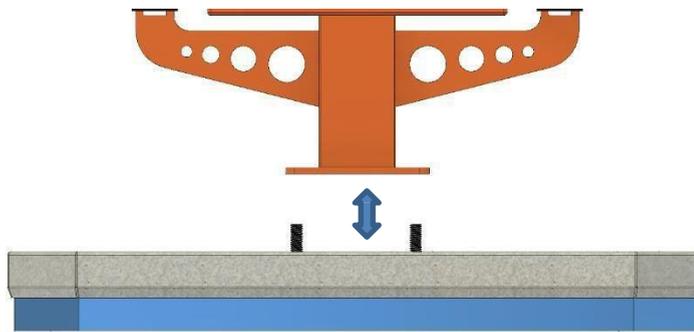
Date:

### 6.3 Changing/attaching the suction cup

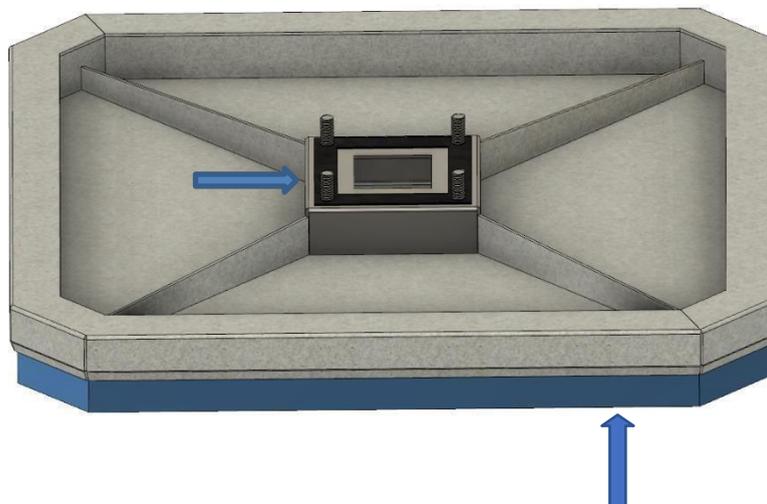
1. Undo four fixing bolts (winged), which hold the suction cup.



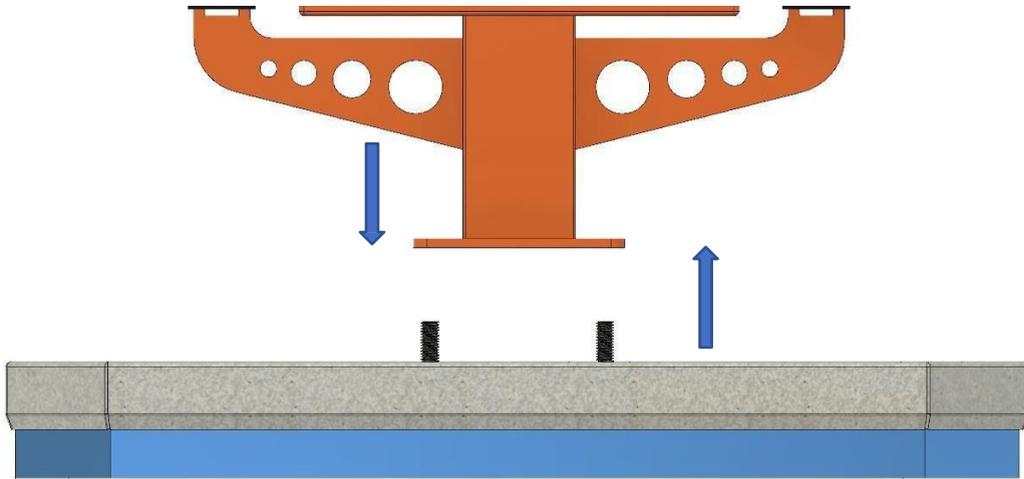
2. Put down the suction cup.



3. Before fitting the new suction cup, check the sealing between the suction cup and the machine and verify that the sealing profile under the suction cup is not damaged/worn.

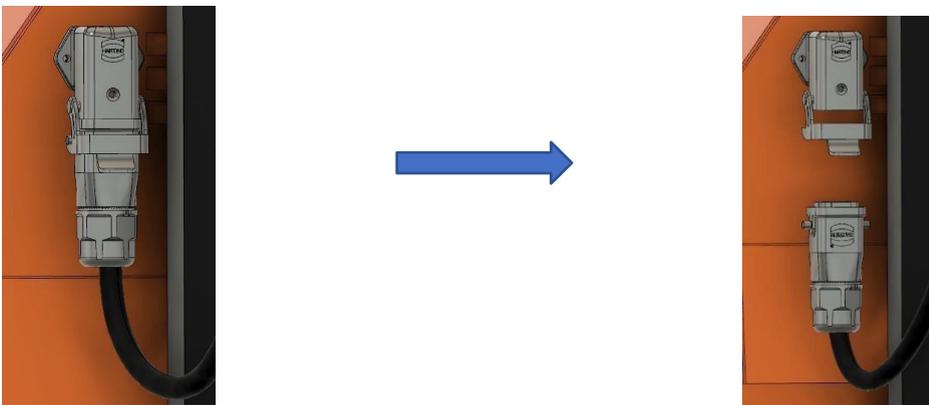


4. Install the suction cup on the machine and tighten the fixing bolts as much as needed.

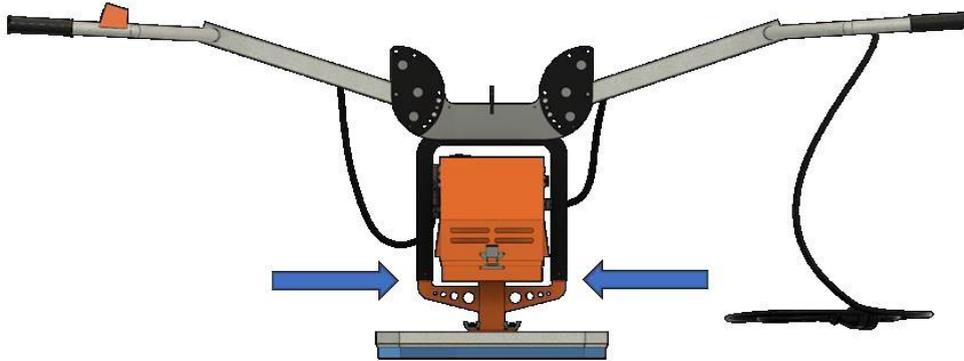


## 6.4 Cleaning the filter

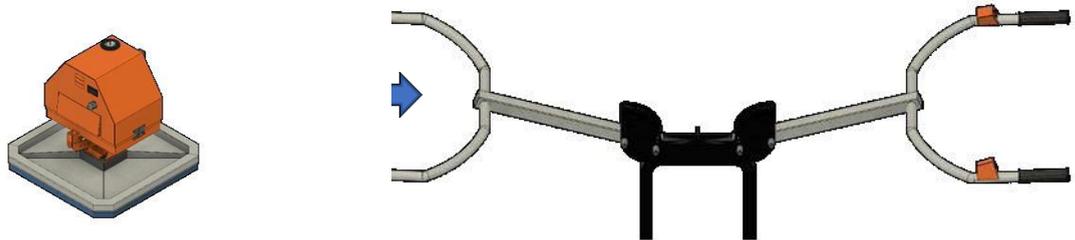
1. Disconnect the machine from the power supply.
2. Disconnect the control connector.



3. Remove pins locking the handle mounts.



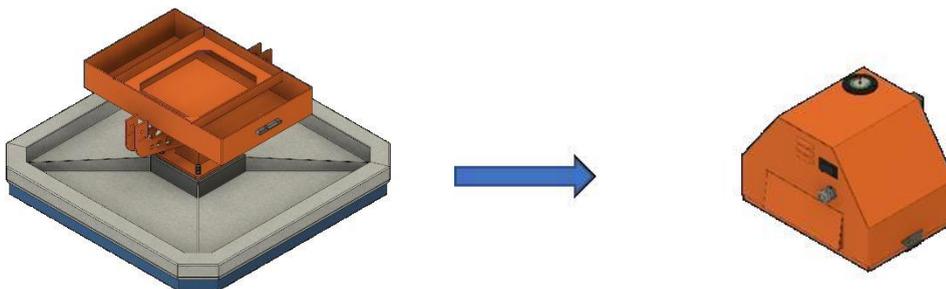
4. Pull out and put down the handle mounts.



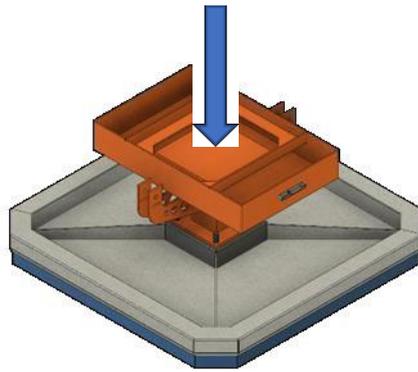
5. Release the filter retaining brackets.



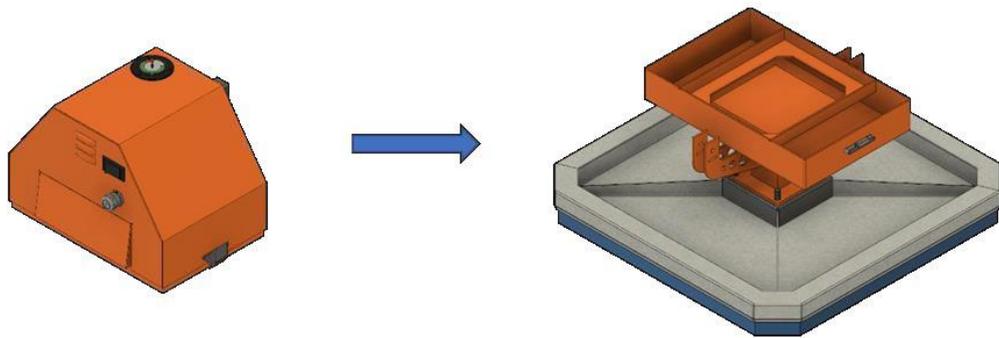
6. Lift the upper part of the machine and put it away.



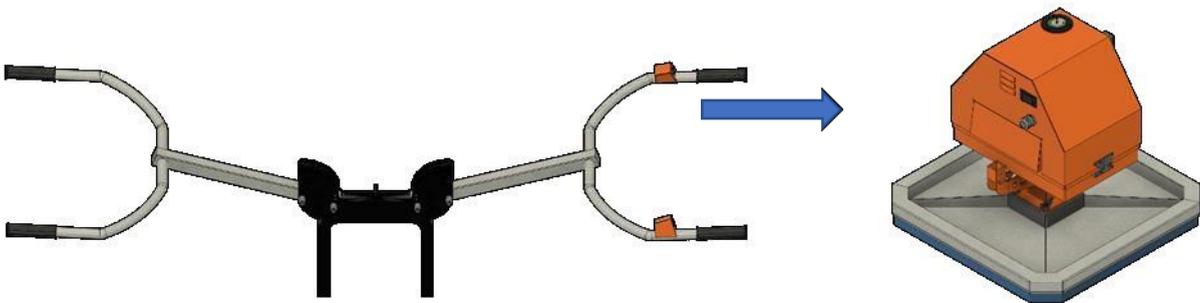
7. Clean the dirty filter with compressed air.  
You should also clean all vents with compressed air, as dust that is not removed will stick to the turbine, causing it to fail. Systematic cleaning will keep all electrical and mechanical elements in the best possible condition and reduce their failure rate.



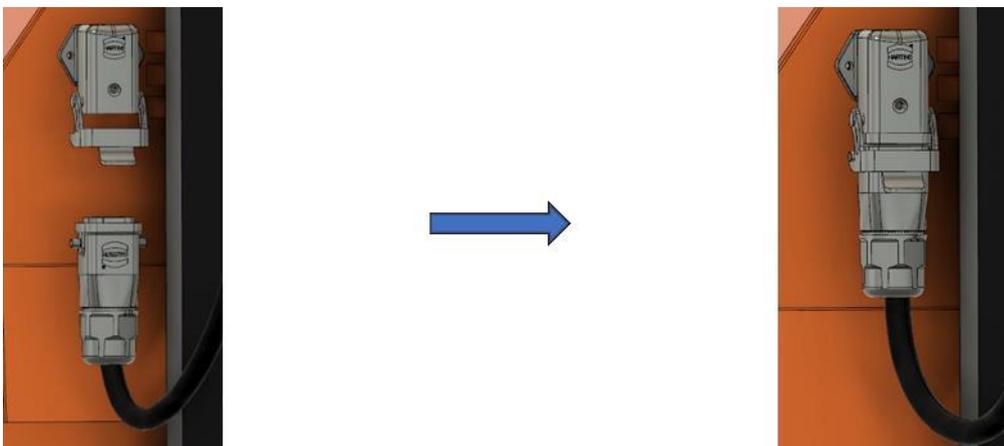
8. Attach and secure the upper part of the machine.



9. Attach and secure the handle mount.



10. Connect the control connector.



11. Connect the power supply and start the machine.
12. Check if the machine works correctly and if the vacuum indicator enters the green area after the suction cup has been attached to the concrete surface.



## 6.5 Spare parts

1. Replacement carried out by the user (operator and foreman).

The length of cup seals is as follows:

- 34x34cm suction cup (80kg), length of seal 125cm, Mickey 155
- 40x40cm suction cup (120kg), length of seal 150cm, Mickey155
- 45x45cm suction cup (155kg), length of seal 170cm, Mickey155
- 35x65cm suction cup (155kg), length of seal 190cm, Mickey155
- 10x90cm suction cup (55kg), length of seal 191,2cm, Mickey155
- 15x90cm suction cup (100kg), length of seal 199,6cm, Mickey155
- 18x30cm suction cup (38kg), length of seal 85,6cm, Mickey155
- 35x90cm suction cup (255kg), length of seal 250 cm, Mickey155/255
- 50x65cm suction cup (255kg), length of seal 235 cm, Mickey155/255

2. Replacement carried out by a service center:

- filter,
- sealing profile.

## 7 Troubleshooting

### 7.1 Mechanical faults

#### Executing personnel

Only instructed personnel who are familiar with the safety regulations;  
⇒ see chapter: "Operator, qualified personnel".

Fault	Possible causes	Removal of fault
The machine is not working	Defective fuse	Replace the fuse
	Plug incorrectly inserted	Correctly plug the plug into the socket
Insufficient vacuum level – the pressure gauge indicator is in the red area	Defective suction cup seal	Replace the seal
	Load is too porous	Move the load using other means
	Reduced capacity of the vacuum pump	Replace the vacuum pump

Malfunctions may only be repaired by the authorized service center. If the cause of the fault cannot be determined, inform your technical service. Always handle the machine or equipment with care. Clean the machine thoroughly every time after work to ensure smooth and problem-free operation.

### 7.2 Cleaning

Always clean the machine after you have finished work.

Clean the dirty filter with compressed air.

You should also clean all ventilation openings with compressed air, as dust that is not removed will stick to the turbine and eventually damage it. Systematic cleaning will keep all electrical and mechanical elements in the best possible condition and reduce their failure rate.

## 8 Shutdown, storage

#### Executing personnel

- Only instructed personnel who are familiar with the safety regulations;  
⇒ see chapter: "Operator, qualified personnel."

#### Taking the machine out of service

- Switch off the machine unplugging the power supply cable.

## Storage conditions

Storage period up to one year	Climate conditions similar to working conditions.	It is not necessary to undertake any particular actions.
	High humidity. Aggressive composition of air.	Protection against corrosion is necessary. Airtight packaging.
Storage period – longer than one year	All climate conditions.	Protection against corrosion is necessary. Airtight packaging.

## 9 Disposal

### Executing personnel

- Only instructed personnel who are familiar with the safety regulations;  
 ⇒ see chapter: "Operator, qualified personnel",  
 ⇒ see chapter "Transport, shipment".

	What?	Where?
Transport materials	Pallets	Dispose of following the valid legal regulations
	Packaging	Plastics for recycling or disposal
Lubricants	Oils, grease	Dispose of following the statutory regulations in force
Elements of construction	Steel, aluminum, drivers, insulation materials	Dispose of by material type

Do not dispose of tools, machine parts, or machinery with other household waste. Dispose of these items at a designated electro-waste recycling facility. Electro-waste (or Waste Electrical and Electronic Equipment) is broken, long unused, unwanted electrical and electronic equipment powered by electricity or batteries - broken computers, toys, and electronic gadgets, old washing machines, refrigerators, and used fluorescent lamps. They are classified as hazardous waste because they contain poisonous substances.

## 10 Technical data

Parameter	MICKEY 155/255
Weight	25 kg
Voltage	110V; 50/60 Hz
Engine power	1250 W
Vacuum output	45 l/sec.
Noise level	83,1 dB
Load dimensions	1000 x 500 mm
Working load	Manually up to 69 kg, higher loads using the top eyelet.
Type of transport	Horizontal
Vacuum pump	N60800011 S.I.cl.F 1651; 239-50/60; 01; AMETEK
Maximum vacuum	-0,3Bar – 0,4Bar
Power cable	GPV-60-24 power supply 24V 2,5A IP67 60W
Dimensions – during operation	Attachment No 4.4 Attachment No 4.5
Dimensions – during transport	Attachment No 4.6

## 11 Attachments

- 1 Wiring diagram
- 2 Accessories
- 3 Datasheets of subassemblies
- 4 Dimensions

CATCHSHIFT Sp. z o.o  
ul. Przemysłowa 2  
64-200 Wolsztyn

ul. Przemysłowa 2, 64-200 Wolsztyn

Name  
of client:

**CATCHSHIFT Sp. z o.o**

---

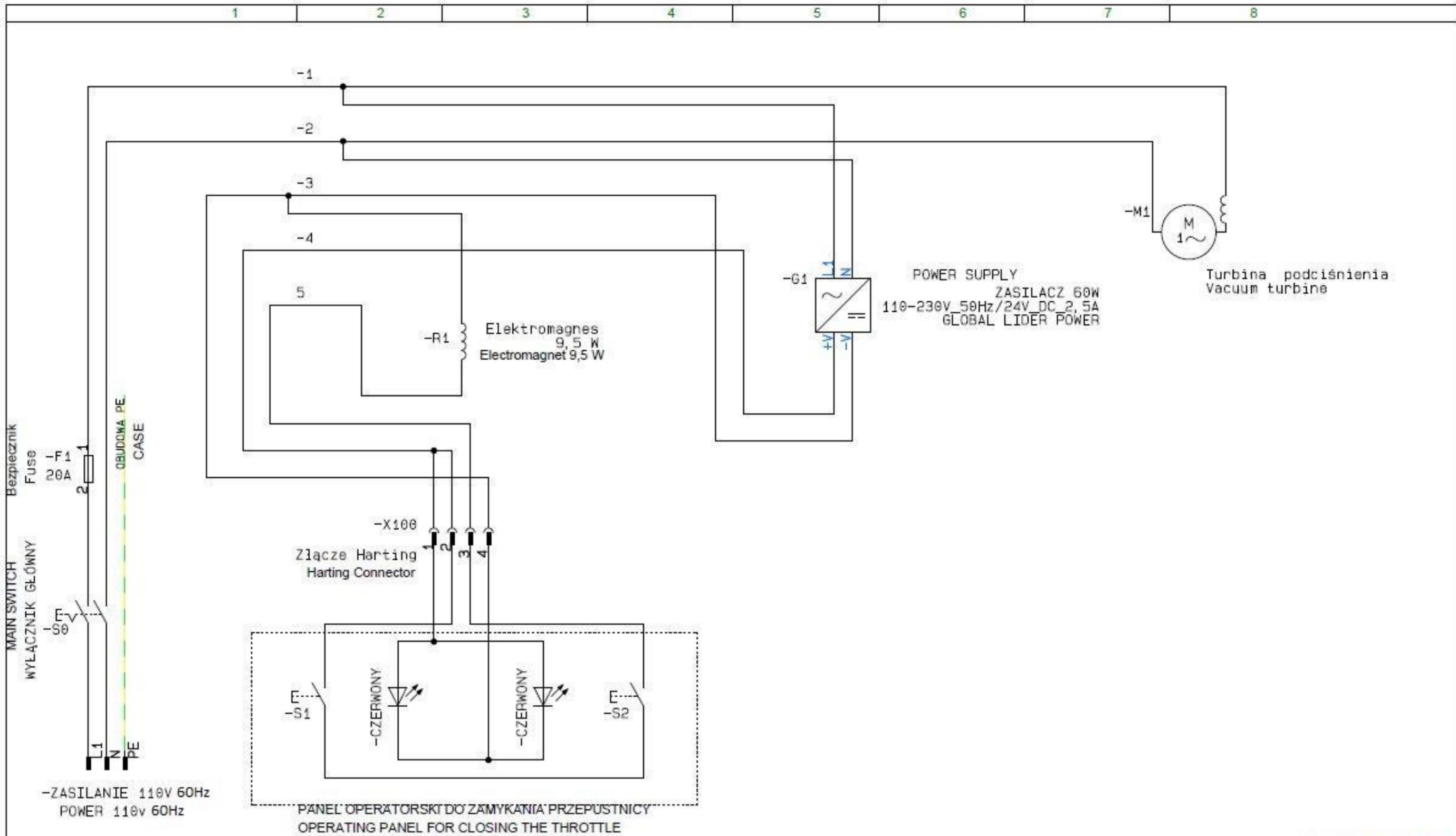
Name of project:

**Electric Paving Machine MICKEY 155/255**

---

Designer:

# Diagrams



PCSHEMATIC Automation



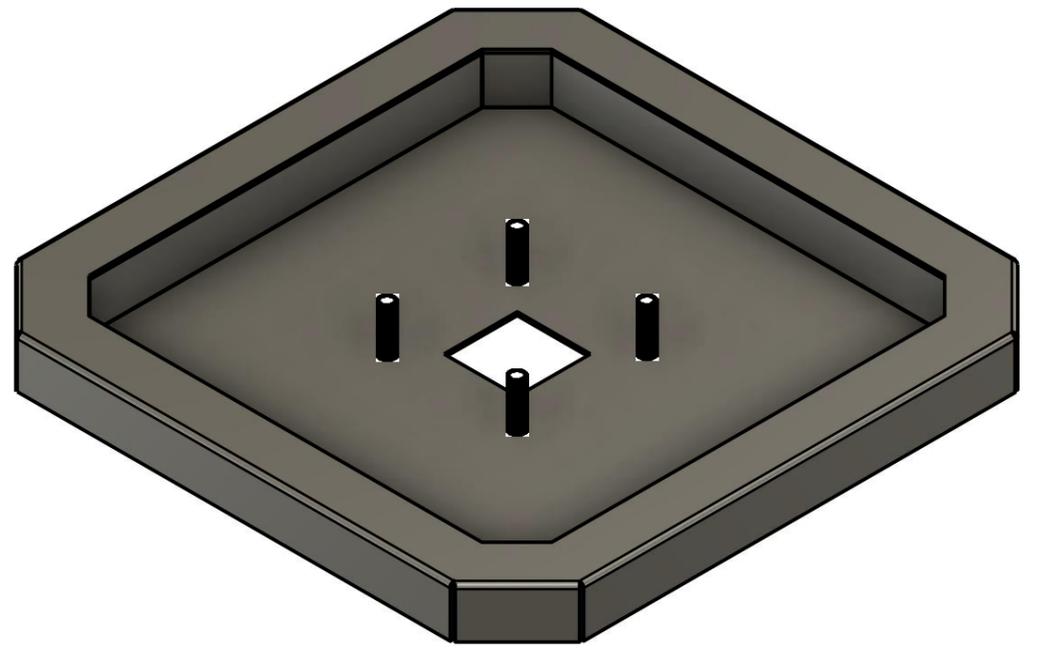
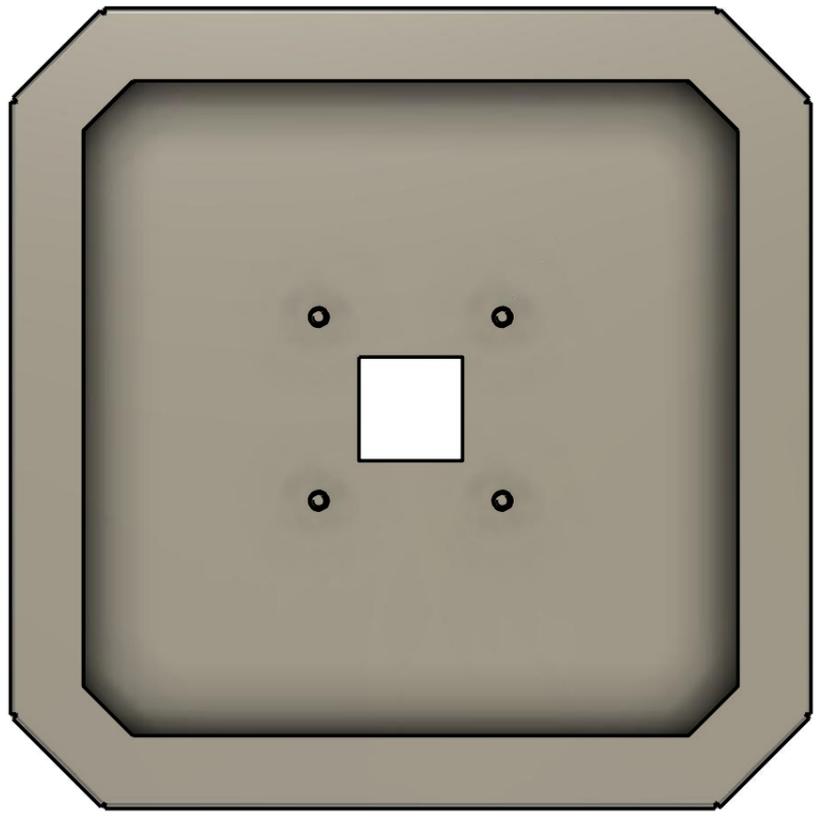
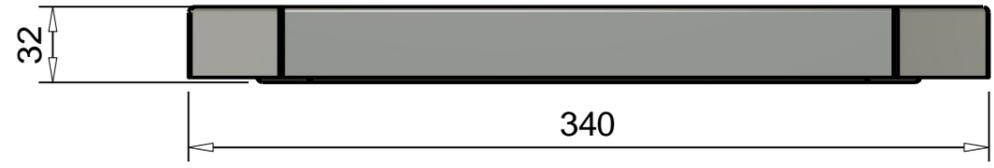
Nazwa projektu: MICKEY 100/155 electric paving machine		Temat:		Rewizja proj.:		Strona 1	
Klient: Catchshift Sp.zo.o.							
Tytuł strony:		Rysunek nr.:		Rewizja str.:		Poprzednia strona StrTyt	
Nazwa pliku: Mickey 110V		Konstr. (projekt/strona): /Przemysław Daś		Data wydruk: 21.04.2023		Następna strona	
Ozn. ref. strony: Opis:		Zatw. (inicjał/data): /		Ost. zmiana: 21.04.2023		Liczba stron rozdziału: 1	

# Lists

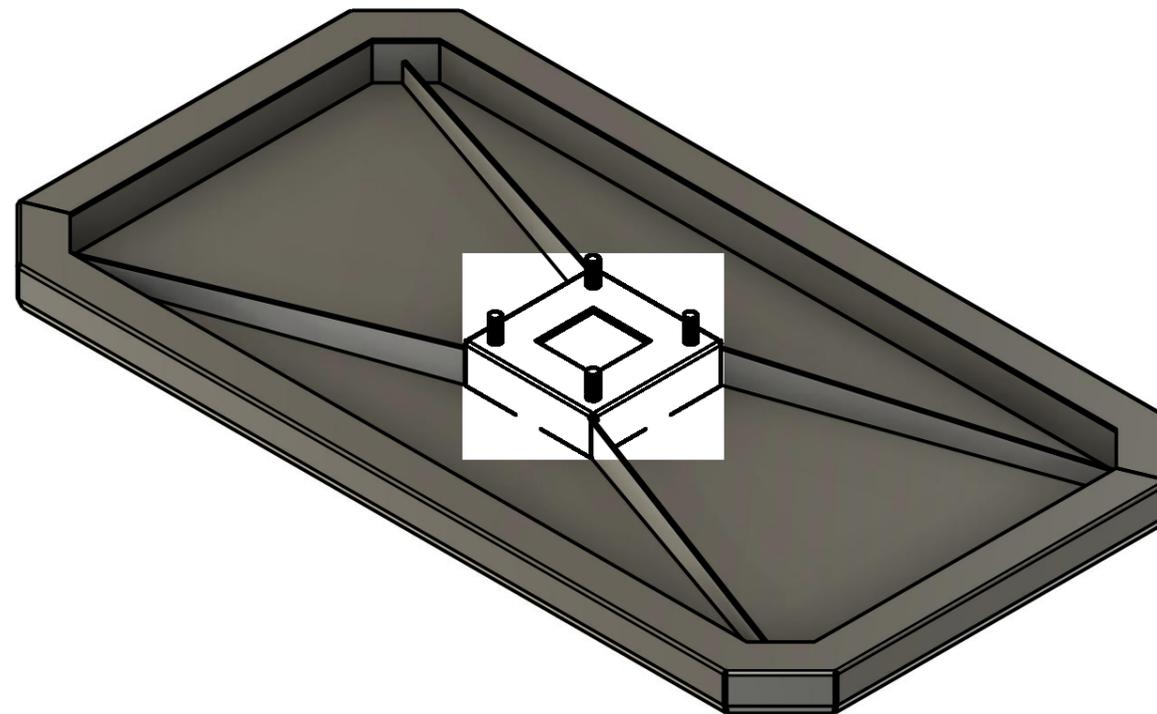
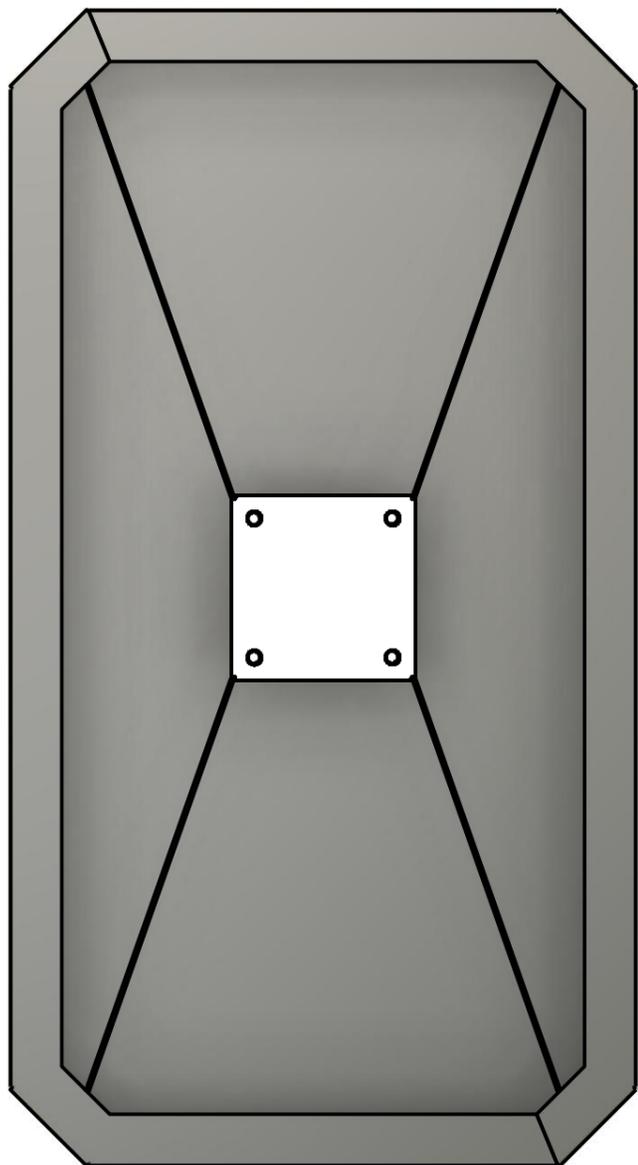
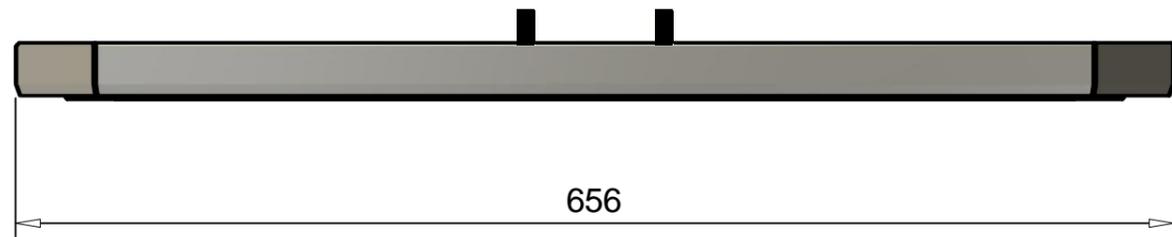
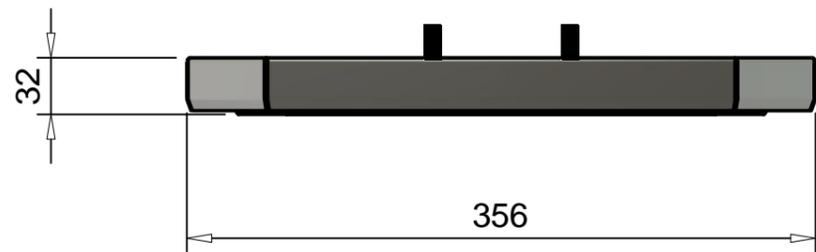
## List of parts

No.	Quantity	Article No.	List of parts	Manufacturer	Unit price	Value
1	1		Main switch	-S0	Marquard 1935 . 3113	
2	1		Fuse 20A	-F1		
3	1		Power supply 230_50Hz/24V_DC_2,5A	-G1	Global Lider Power	
4	1		Motor 110V 60Hz 1250W	-M1	Ametek	
5	1		Electromagnet 9,5 W	-R1	EBE TDS-16A	
6	1		Connector plug 4-pin	-X100	Harting	
7	2		Hermetic button	-S1/S2	LA128-19A 250V_5A_LED_24V	

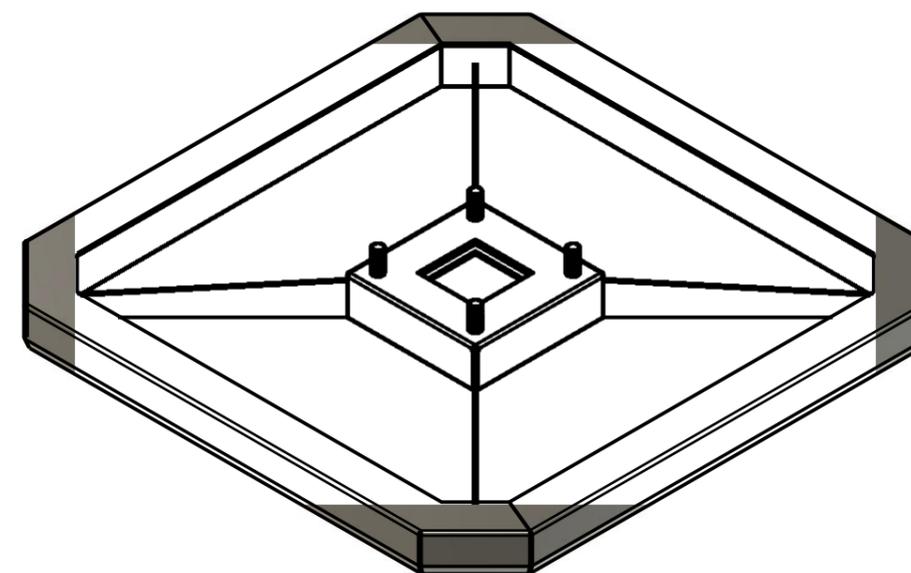
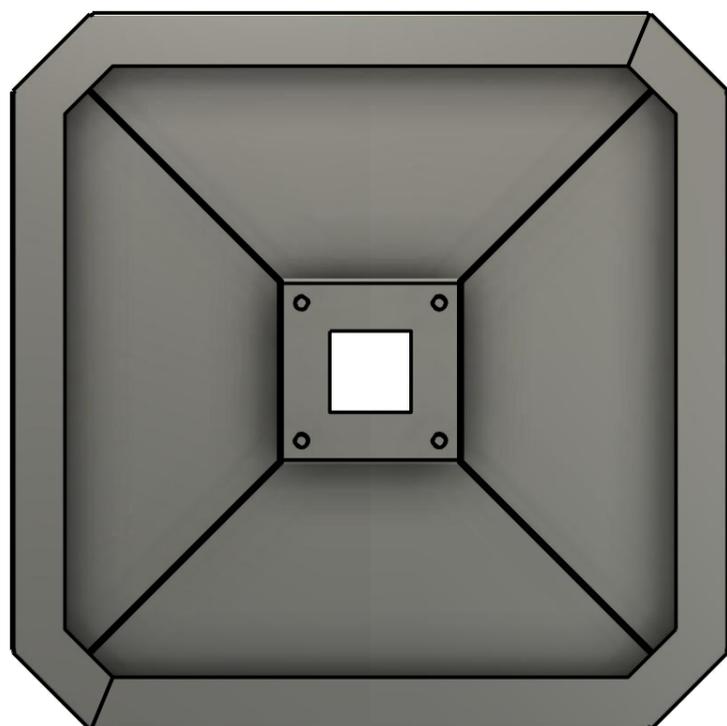
CATCHSHIFT Sp. z o.o ul. Przemysłowa 2 64-200 Wolsztyn	Name of project: Electric paving machine MICKEY 100/155	Subject:	Project review:	Page	Z.Cze
	Client: CATCHSHIFT Sp. z o.o				
	Page title: List of parts	Drawing no:	Page review:	Previous page	1
	Name of file: CatShift100.11.07.18	Design (project/page): /	Last printout: 11.07.20	Next page	
	Page reference: Description:	Approval (initial/date): /	Last change: 22.03.20	No. of pages	1



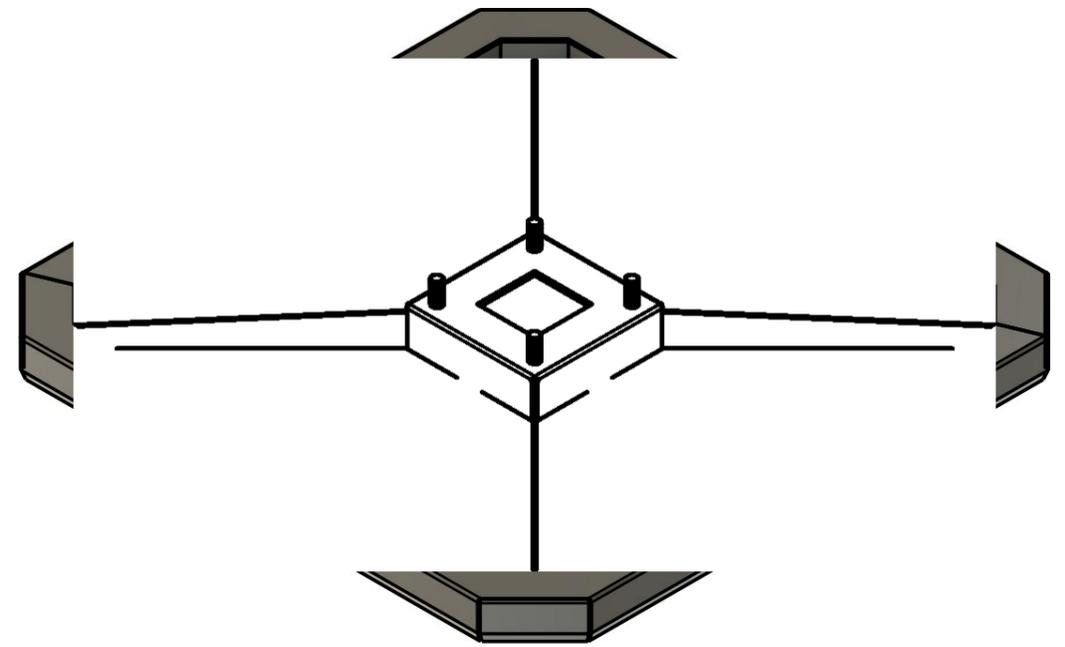
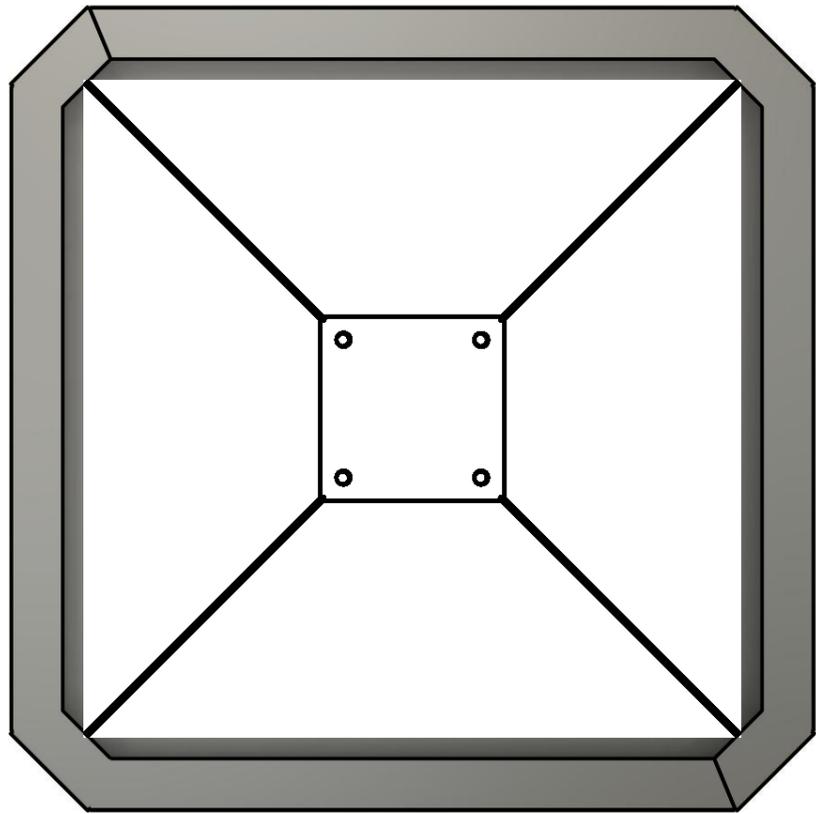
Dept.	Technical reference	Created by	Approved by
		Document type	Document status
		Title suction cup 34x34 Mickey155 max 80kg	DWG No.
		Rev.	Date of issue
		Sheet	11



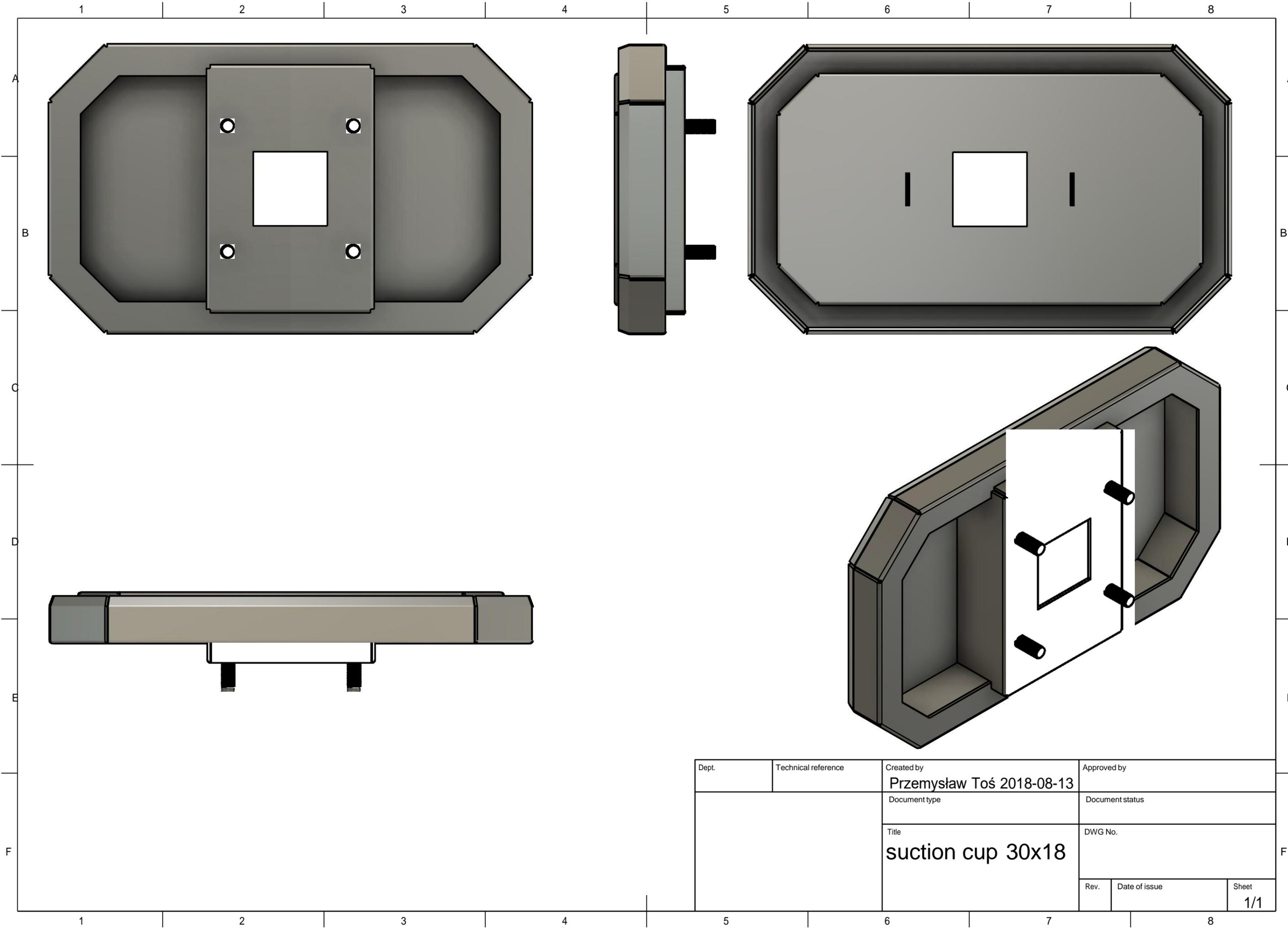
Dept.	Technical reference <b>5.6kg</b>	Created by	Approved by
		Document type	Document status
		Title <b>suction cup 35x65 Mickey155 max 155kg</b>	DWG No.
		Rev.	Date of issue
		Sheet	<b>11</b>



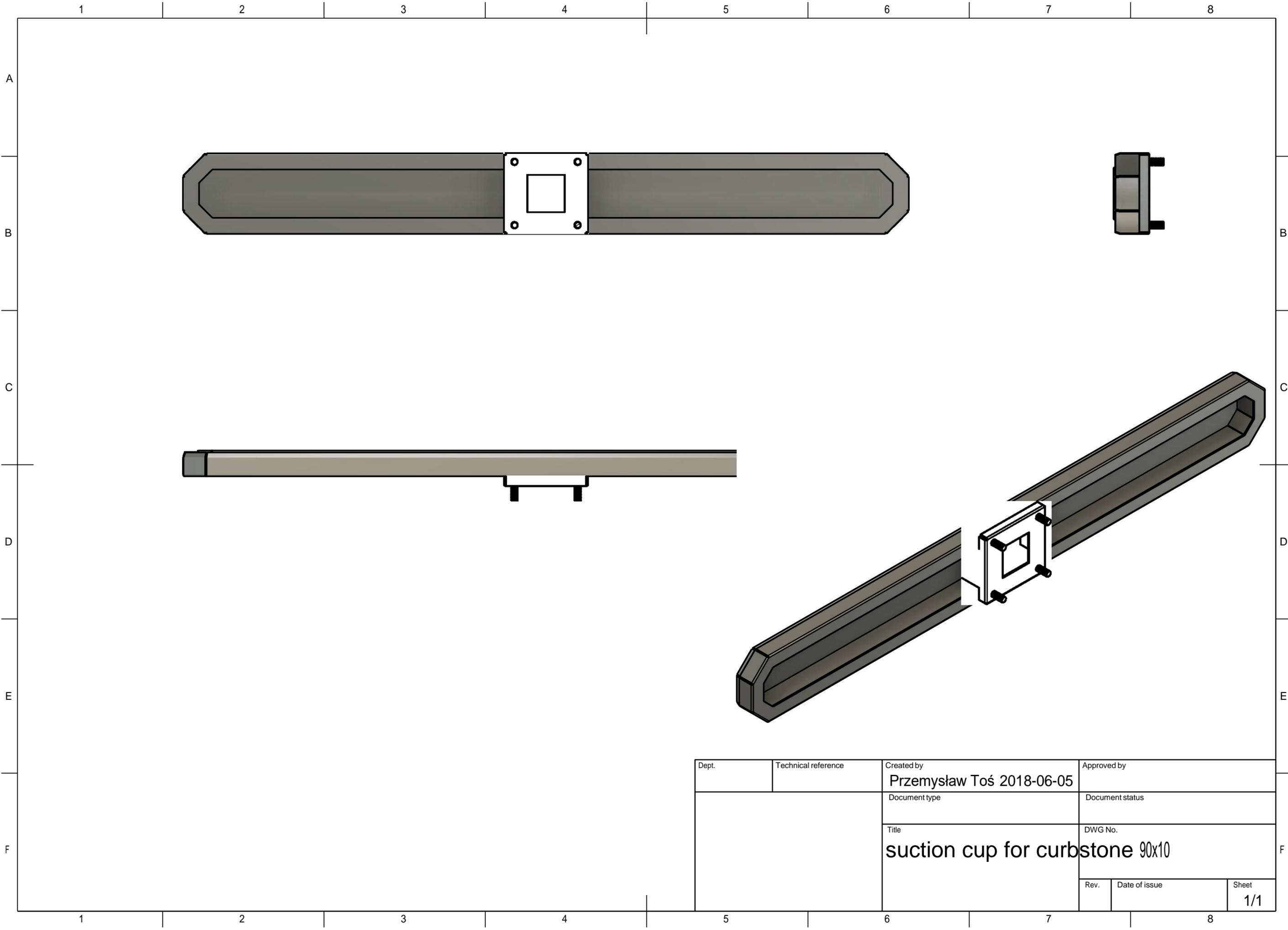
Dept.	Technical reference <b>5.4kg</b>	Created by	Approved by
		Document type	Document status
		Title <b>suction cup 40x40 Mickey155 max 120kg</b>	DWG No.
		Rev.	Date of issue
			Sheet <b>11</b>



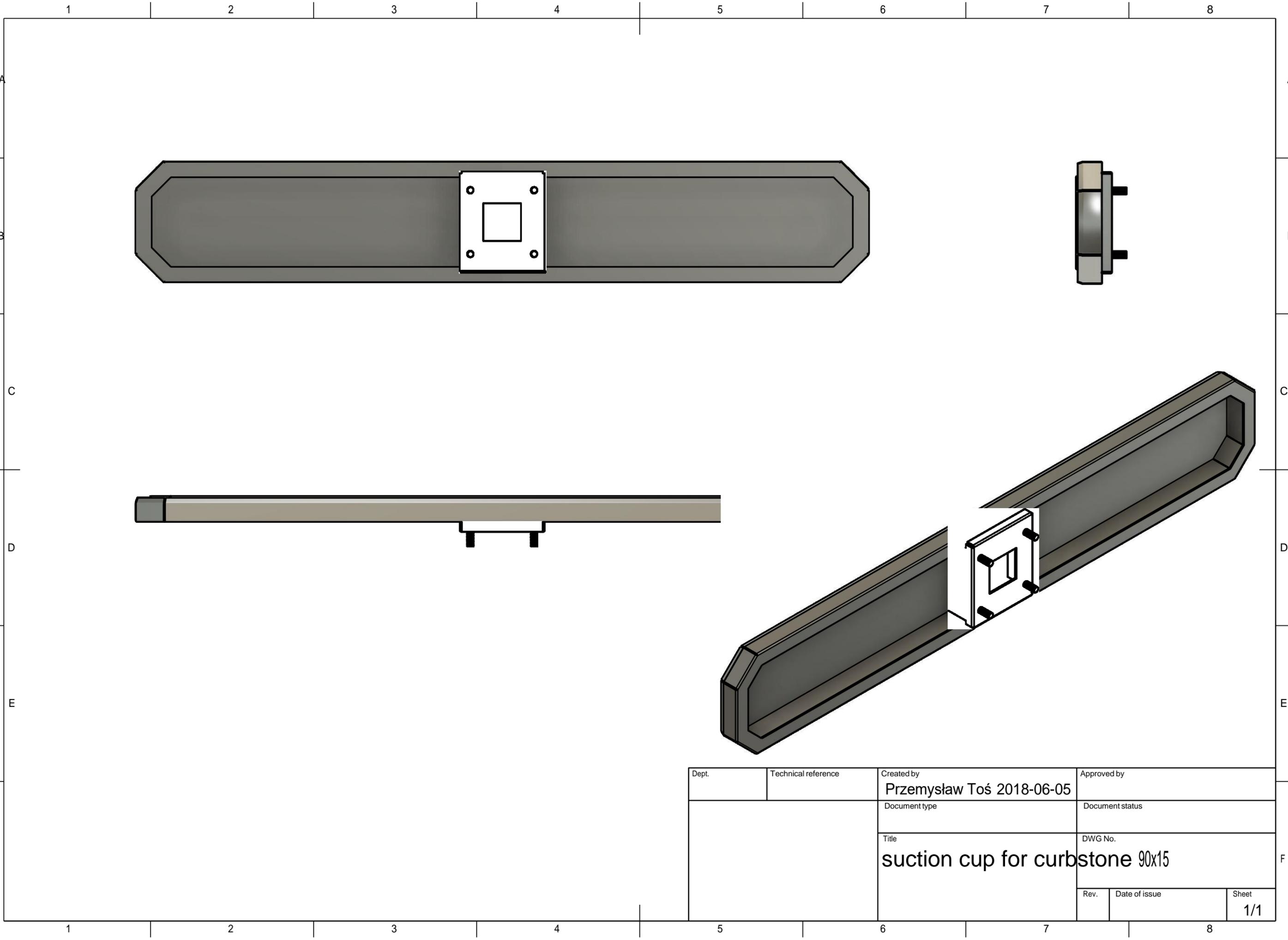
Dept.	Technical reference <b>6kg</b>	Created by	Approved by
		Document type	Document status
		Title <b>suction cup 45x45 Mickey155 max 155kg</b>	DWG No.
		Rev.	Date of issue
		Sheet	<b>11</b>



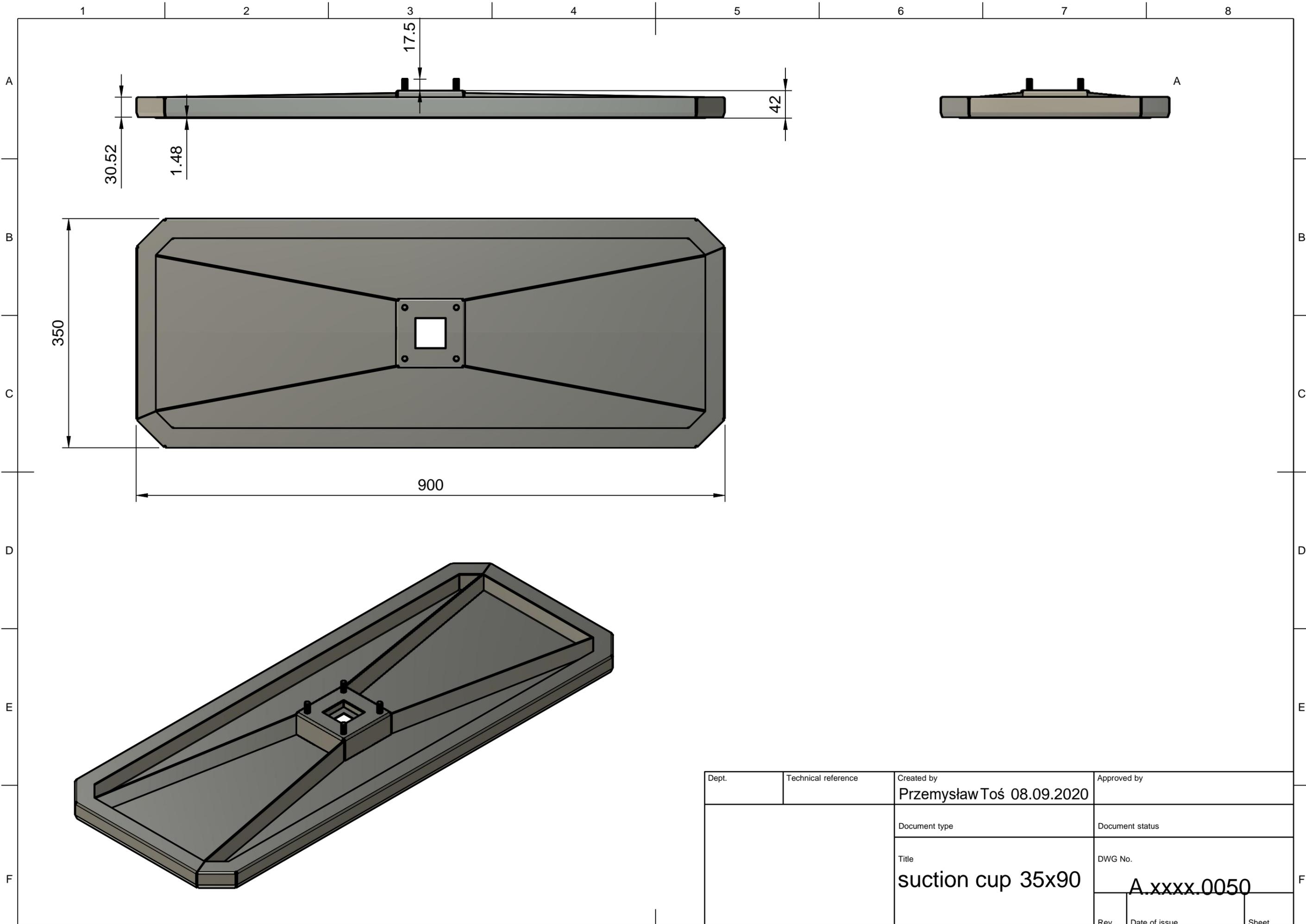
Dept.	Technical reference	Created by <b>Przemysław Toś 2018-08-13</b>	Approved by	
		Document type	Document status	
		Title <b>suction cup 30x18</b>	DWG No.	
		Rev.	Date of issue	Sheet <b>1/1</b>



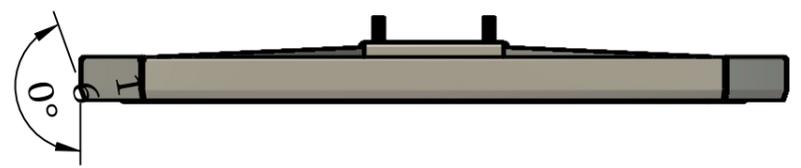
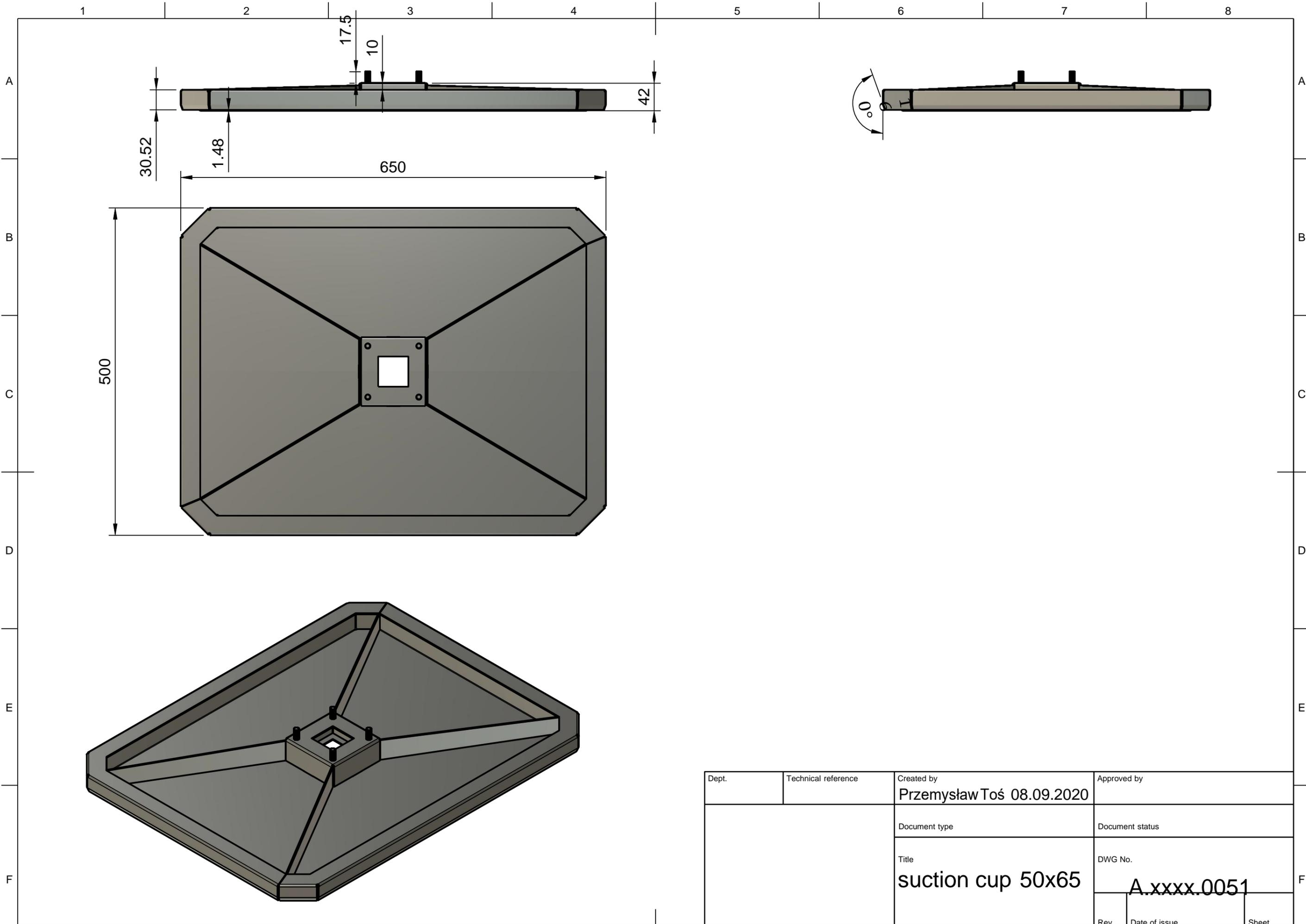
Dept.	Technical reference	Created by <b>Przemysław Toś 2018-06-05</b>	Approved by	
		Document type	Document status	
		Title <b>suction cup for curbstone 90x10</b>	DWG No.	
		Rev.	Date of issue	Sheet <b>1/1</b>



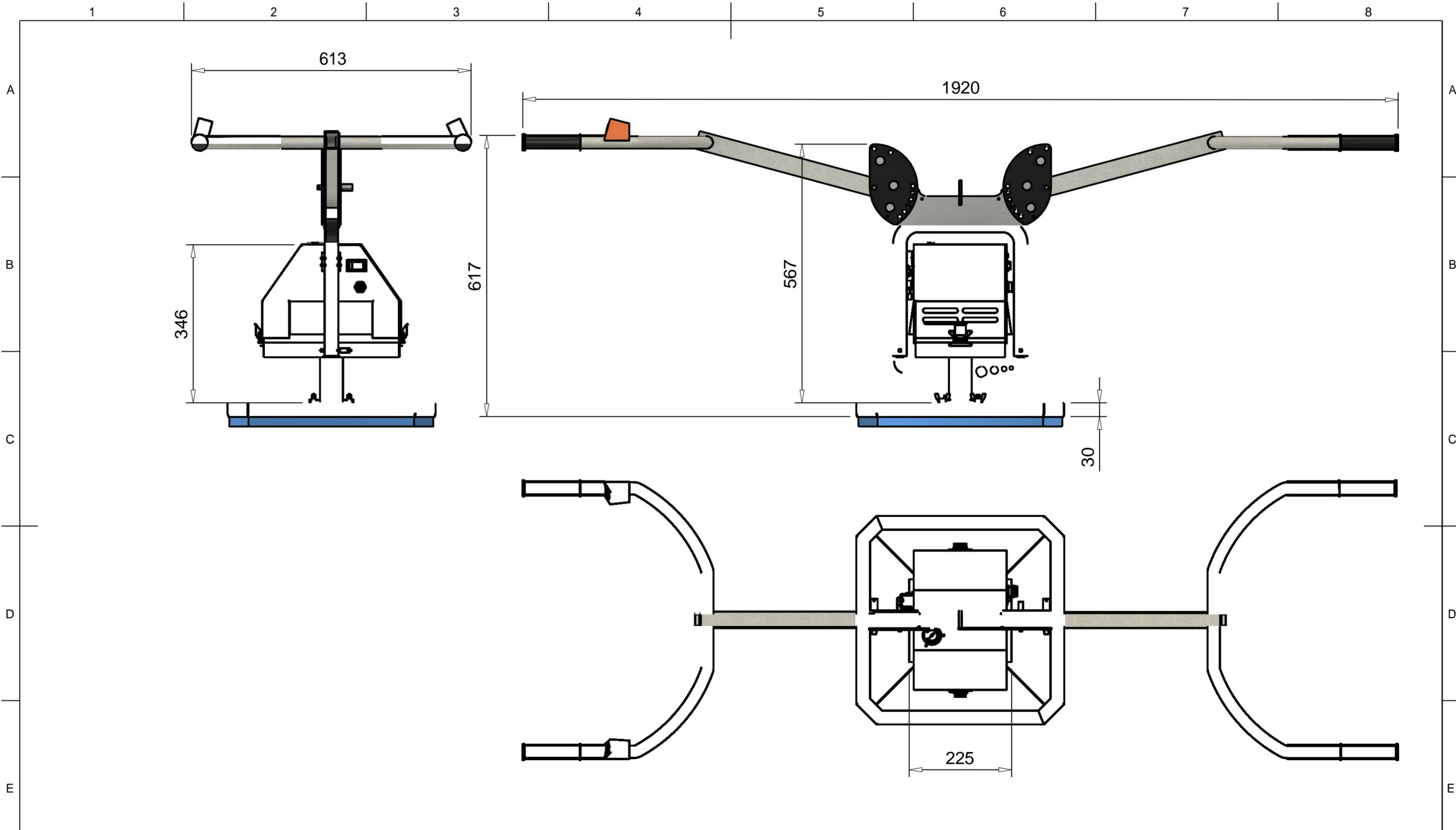
Dept.	Technical reference	Created by <b>Przemysław Toś 2018-06-05</b>	Approved by	
		Document type	Document status	
		Title <b>suction cup for curbstone 90x15</b>	DWG No.	
		Rev.	Date of issue	Sheet <b>1/1</b>



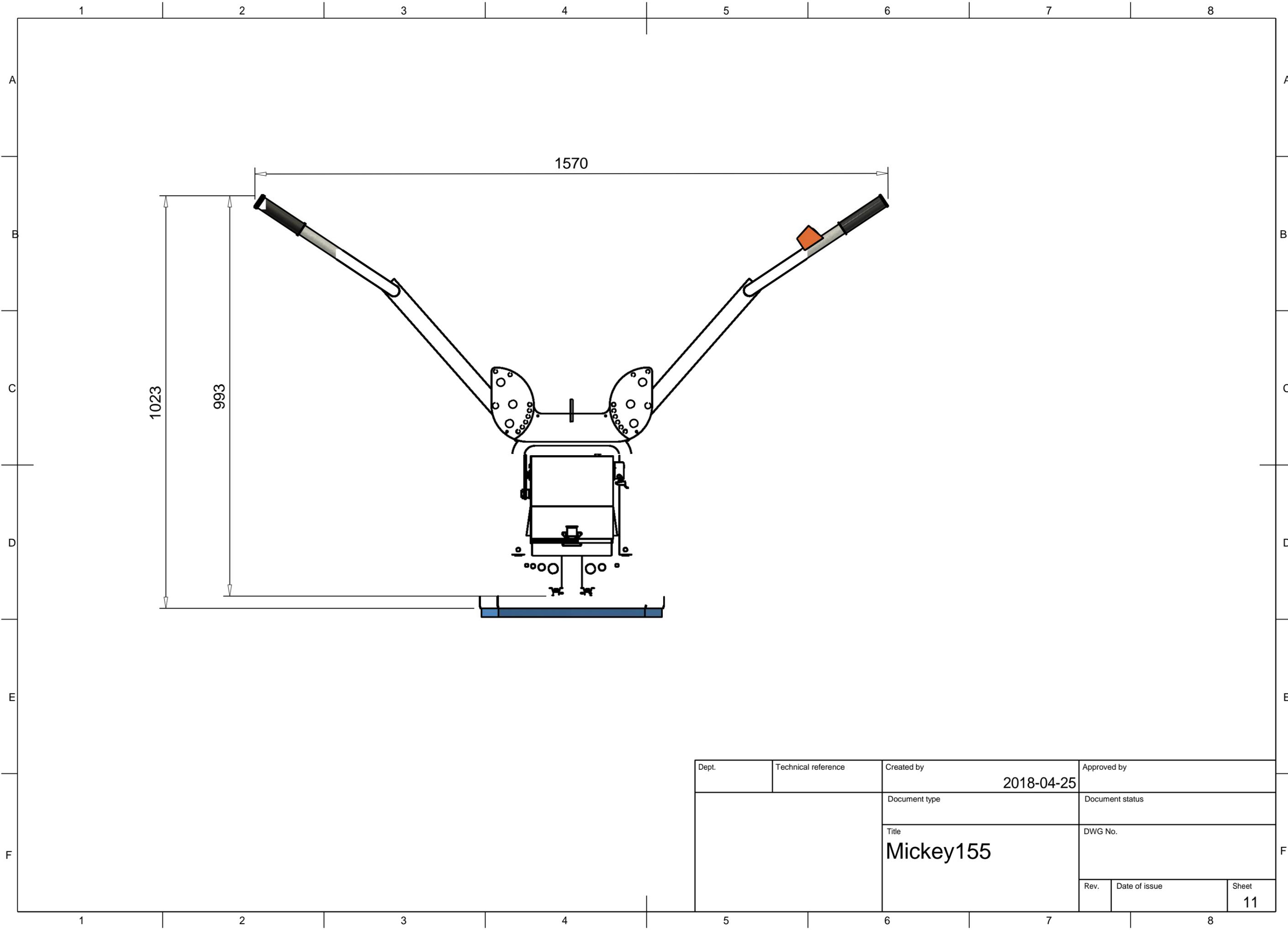
Dept.	Technical reference	Created by <b>Przemysław Toś 08.09.2020</b>	Approved by
		Document type	Document status
		Title <b>suction cup 35x90</b>	DWG No. <b>A.xxxx.0050</b>
	Rev.	Date of issue	Sheet



Dept.	Technical reference	Created by <b>Przemysław Toś 08.09.2020</b>	Approved by
		Document type	Document status
		Title <b>suction cup 50x65</b>	DWG No. <b>A.xxxx.0051</b>
		Rev.	Date of issue
			Sheet



Dept.	Technical reference	Created by	2018-04-25	Approved by
		Document type	Document status	
		Title	DWG No.	
		<b>Mickey155</b>		
Rev.	Date of issue	Sheet	11	



Dept.	Technical reference	Created by	2018-04-25	Approved by
		Document type	Document status	
		Title	DWG No.	
		<b>Mickey155</b>		
Rev.	Date of issue	Sheet	11	



**Manufacturer:**  
**CATCHSHIFT Sp. z o.o.**  
wielkopolskie  
ul. Przemysłowa 2  
64-200 Wolsztyn  
tel. +48 68 347 58 57  
e-mail: [kontakt@catchshift.com](mailto:kontakt@catchshift.com)  
NIP: 9231720420

With this, we declare that

## Electric Paving Machine

**MICKEY 155/255**  
**DOR 0,155 T**

has been designed, constructed, and manufactured following:

- MACHINE DIRECTIVE 2006/42/WE
- CONSTRUCTION DOCUMENTATION NO. Mickey155/255-x\_M\_e

and the relevant harmonized standards:

PN-EN 13155	Cranes - Safety - Removable load handling attachments
PN-EN 13557	Cranes - Equipment and control stations
PN-84/M-84702	Cranes. Special-purpose grab and hook slings General requirements and tests.
PN-EN 12100	Safety of machinery -- General principles of design -- Risk assessment and risk reduction.
PN EN 60204-32	Safety of machinery - Electrical equipment of machines - Part 32: Requirements for lifting devices
PN EN 13849-1	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design

This EC Declaration is no longer valid after any modifications or retrofitting of any mechanical, electrical, electronic, controller(s), or software systems. The person responsible for drawing up the technical documentation: **Krzysztof Jokiel**  
WOLSZTYN .....

  
.....