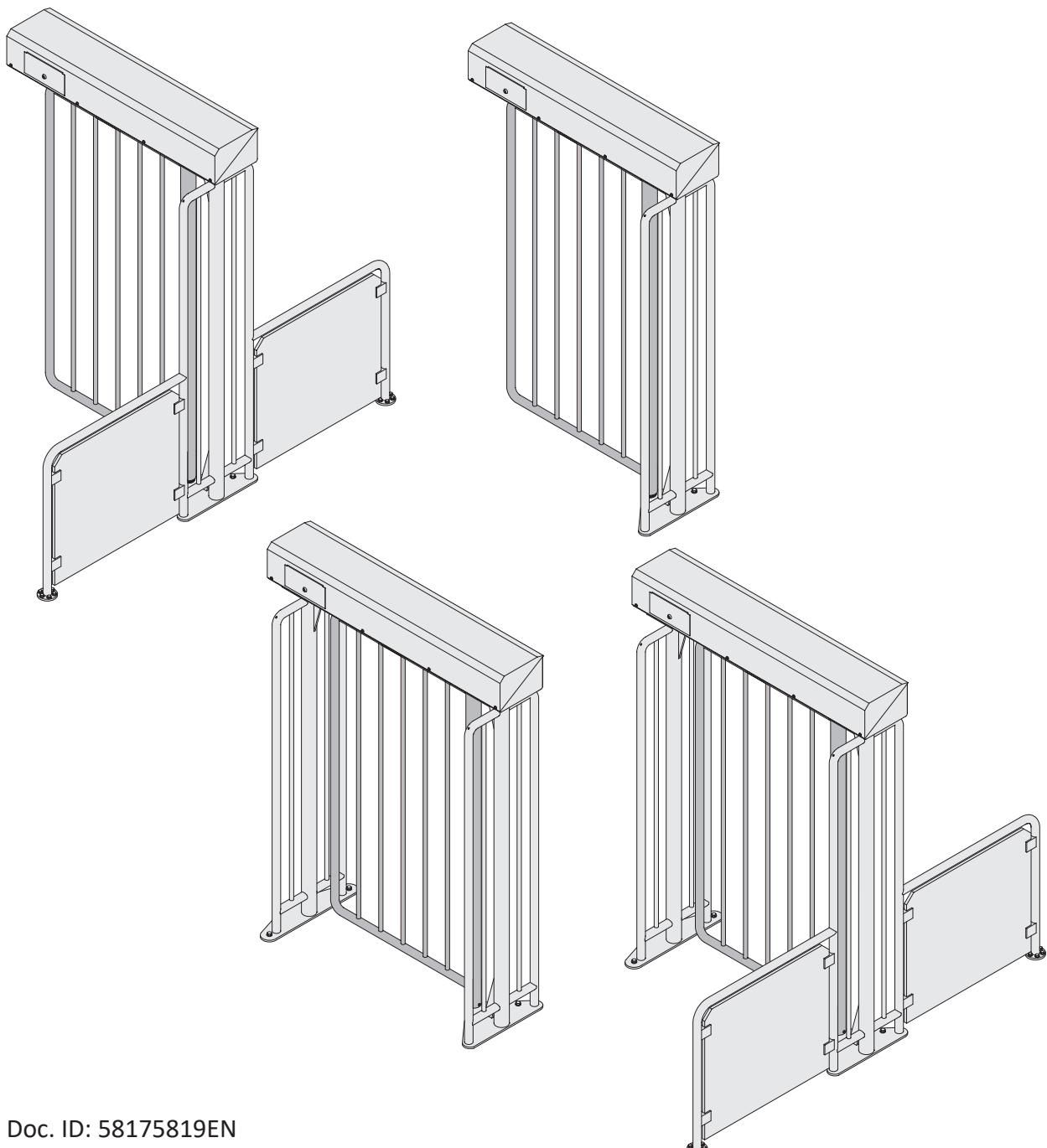


Operating Instructions

Full height swing door

MPG-362 and MPG-372



Original Operating Instructions

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Contents

1	Notices on the document	7
1.1	Purpose and contents of these operating instructions	7
1.2	Reading and storing the operating instructions	7
1.3	Non-observance of the operating instructions	8
1.4	Symbols and illustrations used in the operating instructions	8
1.4.1	Warning notes and notices	8
2	Safety	10
2.1	Intended use	10
2.2	Changes and modifications	11
2.3	Target groups	11
2.3.1	Operator and its responsibility	11
2.3.2	Personnel – activities and qualifications	12
2.4	Personal protective equipment	13
2.5	Symbols on the device	14
2.6	For your safety	14
2.7	To protect the environment	15
2.8	Emergency opening the pedestrian gate	15
2.9	Earthing support beam, cover, and service door	16
3	Technical data	18
3.1	Dimensions and design	18
3.1.1	MPG-362	18
3.1.2	MPG-372	23
3.2	Electrical connection	29
3.2.1	Electrical connection	29
3.3	Operating conditions	29
3.4	Emissions	29
3.5	Performance values	29
3.6	Control unit MGC	30

4	Design and function	31
4.1	Design of the MPG-362	31
4.2	Design of the MPG-372	33
4.3	Function	35
4.4	Definitions and versions	36
5	Receipt of goods, transport, and storage	38
5.1	Receipt of goods	38
5.2	Safety during transport	38
5.3	Transport	40
5.4	Storage	40
6	Unpacking, scope of delivery and identification	41
6.1	Unpacking	41
6.2	Scope of delivery	42
6.3	Identification	43
6.3.1	Type plate	43
7	Mounting	44
7.1	Safety during mounting	44
7.2	Mounting options and notices, attachment material	45
7.2.1	Overview	45
7.2.2	Directly on the foundation	45
7.2.3	Optional base frame	46
7.3	Required steps	46
7.4	Specifying the mounting position	47
7.5	Building the foundation and laying empty conduits	47
7.5.1	Foundation requirements	47
7.5.2	Empty conduits requirements	50
7.5.3	Building the foundation and laying empty conduits	50
7.5.4	Foundation and empty conduit plan MPG-362 without handrail	51
7.5.5	Foundation and empty conduit plan MPG-362 with handrail	52
7.5.6	Foundation and empty conduit plan MPG-372 without handrail	53
7.5.7	Foundation and empty conduit plan MPG-372 with handrail	54

7.6	Preliminary work for mounting directly on a foundation	55
7.7	Mounting the MPG-362	56
7.7.1	Mounting the turn wing foot (MPG-362)	57
7.7.2	Mounting the support beam and connection block (MPG-362)	59
7.8	Mounting the MPG-372	62
7.8.1	Mounting the foot (MPG-372)	63
7.8.2	Mounting the turn wing foot (MPG-372)	64
7.8.3	Mounting the support beam (MPG-372)	66
7.9	Mounting the turn wing (MPG-362 / MPG-372)	70
7.9.1	Mounting the floor bearing and turn wing – without Magnetic mounting wrench	70
7.9.2	Mounting the floor bearing and turn wing – with Magnetic mounting wrench	77
7.10	Closing the cover of the support beam	78
7.11	Checking the mounting	79
8	Mounting the optional mounting pillar for access-control devices	80
9	Electrical connection	88
9.1	Safety during electrical connection	88
9.2	Installing electrical protective devices	89
9.3	Opening and closing the cover or service door	90
9.3.1	Opening and closing the cover	90
9.3.2	Opening and closing the service door	92
9.4	Connecting the mains cable	93
9.5	Connecting the induction loops	95
9.6	Connecting customer control lines	95
9.7	Connecting emergency opening contacts	96
9.8	Mounting and connecting customer access-control devices (MPG-372)	96
9.9	Checking the electrical connections	97
10	Commissioning	98
10.1	Safety during commissioning	98
10.2	Putting the pedestrian gate into operation	98
10.3	Switching the pedestrian gate on and off	99
10.4	Parameterising the pedestrian gate	99

Contents

11	Operation	100
12	Log book	100
13	Cleaning and maintenance	101
13.1	Safety during cleaning and maintenance	101
13.2	Cleaning the pedestrian gate	102
13.2.1	Cleaning the pedestrian gate from the outside	102
13.2.2	Cleaning the support beam from the inside	103
13.3	Maintenance schedule	103
14	Corrective action	105
15	Spare parts and repair	105
16	Conversion	106
16.1	Safety during conversion	106
16.2	Converting the locking	106
16.2.1	Converting the locking from "rotating freely when de-energised" to "locked when de-energised"	108
16.2.2	Converting the locking from "locked when de-energised" to "rotating freely when de-energised"	112
17	Customer service	115
18	Decommissioning	116
18.1	Safety during decommissioning	116
18.2	Taking the pedestrian gate out of service	116
19	Dismounting and disposal	117
19.1	Safety during dismounting and disposal	117
19.2	Dismounting and disposal of the system	117
20	EU Declaration of Conformity	118
Index		119

1 Notices on the document

1.1 Purpose and contents of these operating instructions

These operating instructions provide all the information required for the product in the various phases of its life cycle.

These operating instructions contain the following information: Design and function, transport and storage, unpacking and delivery, installation and mounting, electrical connection, commissioning, operation, cleaning and maintenance, decommissioning, dismantling, and disposal.



IMPORTANT!

For the parameterisation of the control unit MGC and troubleshooting, see the separate document "Description control unit MGC (Doc.ID: 58170065)".

1.2 Reading and storing the operating instructions

Compliance with all indicated safety notices, warning notes, and instructions is a prerequisite for safe work. In addition, the local accident prevention regulations, general safety regulations and local environmental regulations applicable to the area of application of the product must be observed.

Carefully read these operating instructions before starting any work! The operating instructions are part of the product and must be kept in direct proximity of the product and well accessible to the personnel at all times.

When passing the product on to third parties, these operating instructions must also be handed over.

1.3 Non-observance of the operating instructions

Magnetic declines all liability for personal injury and property damage caused by not observing the operating instructions.

This applies in particular to damage caused by:

- › Improper use
- › Use of non-qualified personnel
- › Use of non-approved components
- › Arbitrary modifications
- › Inappropriate mounting and installation
- › Incorrect operation
- › Inadequate or omitted maintenance and repairs
- › Use of non-approved spare parts
- › Operating a defective product

1.4 Symbols and illustrations used in the operating instructions

1.4.1 Warning notes and notices

Warning notes are characterised by pictograms in these instructions. A warning note starts with a signal word that expresses the extent of the hazard.

It is absolutely essential to observe the warning notes and to proceed with caution in order to prevent accidents as well as personal injuries and property damage.

Warning notes

DANGER	
	The signal word DANGER indicates an immediately dangerous situation, which leads to death or severe injuries if not avoided.

WARNING	
	The signal word WARNING indicates a potentially dangerous situation, which can lead to death or severe injuries if not avoided.

 **CAUTION**

The signal word CAUTION indicates a potentially dangerous situation, which can lead to minor injuries if not avoided.

 **NOTICE**

The signal word NOTICE indicates a potentially harmful situation, which leads to property damage if not avoided.

Notes and recommendations



IMPORTANT!

The signal word IMPORTANT highlights useful notes and recommendations as well as information for an efficient and trouble-free operation.

2 Safety

2.1 Intended use

The MPT-362 Magnetic swing door and MPT-372 Magnetic swing door are intended for access-control of persons from a zone not controlled (ZNC) to a zone controlled (ZC).

The MPG-372 swing door can be mounted rotating freely. The MPG-362 swing door is designed for attachment to another pedestrian gate such as the MPT turnstile.

In general, the hinged gate is integrated in the fence and gate systems.

It is possible to take items such as bicycles along. Riding the bicycle is contrary to provisions.

The swing door is also suitable for persons who cannot pass through other types of pedestrian gates such as turnstiles safely, quickly or without assistance. Such persons include, for example, small children, the elderly or people with impairments. Children under 14 years of age may only pass through the swing door under the supervision of an adult.

People with e.g. strollers, wheelchairs, trolleys, pushed bicycles may also use the swing door.

We recommend setting the swing door to slow speed in automatic operation or operating the swing door in "porter operation".

The pedestrian gate must only be mounted on non-flammable floors.

The pedestrian gate must only be operated within the temperature range indicated on the type plate.

Prevent children playing with the power operated pedestrian entrance control equipment.

Dashing through a moving power operated pedestrian entrance control equipment can lead to severe injuries.

Misuse

Any use differing from or beyond this is considered improper use. Magnetic is not liable for any resulting personal injury or damage to property.

For example, the following applications are regarded as improper use:

- › Use of the pedestrian gate by unaccompanied children under 14 years of age.
- › Use of the pedestrian gate by persons who cannot pass the pedestrian gate safely, quickly or without assistance.
- › Use of the pedestrian gate without released passage. This means that the turn wing is forced to rotate.
- › Mounting of the pedestrian gate on flammable ground.

2.2 Changes and modifications

Modifications and conversions to the product, to an attachment or to one of the components can lead to unforeseen dangers. Before making any technical changes or modifications to the product or any of the components, written permission must be obtained from Magnetic.

2.3 Target groups

2.3.1 Operator and its responsibility

The operator must comply with the statutory obligations regarding work safety. In addition to the safety instructions and warning notes in these operating instructions, the valid safety, accident prevention, and environmental protection regulations must be observed.

In particular, the operator must:

- › determine additional danger in a danger analysis
- › implement the necessary behavioural requirements in work instructions for operation with the product at the operating location
- › regularly verify throughout the product time of use that the work instructions drawn up by them comply with the current state of the regulations
- › adjust the working instructions to any new provisions, standards, and usage conditions – where required.
- › clearly regulate the responsibilities for all work on the product and with the product such as mounting, commissioning, operation, cleaning, maintenance, etc.
- › ensure that personal protective equipment is worn
- › ensures that all employees who work with the product or on the product have read and understood the operating instructions.

Furthermore, the operator must train personnel regarding the use of the product at regular intervals and provide information on possible dangers.

Furthermore, the operator is responsible for:

- › the product is always in perfect technical condition.
- › the product is maintained at specified maintenance intervals
- › the product is only operated within the permitted temperature range.

The operator is also responsible for ensuring that the danger area of the product cannot be accessed by any unauthorised persons under any circumstances.

2.3.2 Personnel – activities and qualifications

Only authorised, trained, and sufficiently qualified personnel may work on and with the product. The personnel must know and have understood the operating instructions and the required operating procedures.

Designation	Qualification
Transport equipment operator	<ul style="list-style-type: none"> › Has professional experience as a transport equipment operator or warehouse and transport worker. › Has a valid driving licence for the required industrial truck, e.g., forklift. › Knows the necessary regulations. › Can evaluate the work assigned to them, recognise possible dangers, and take appropriate safety measures.
Technician	<ul style="list-style-type: none"> › Has completed training as a systems mechanic, machinery technician, installation mechanic, installation technician or has comparable technical training. › Has an additional qualification that enables him to carry out electrical work such as establishing the electrical connection to the product. › Has additional knowledge and experience. › Knows the relevant technical terms and regulations. › Can evaluate the work assigned to them, recognise possible dangers, and take appropriate safety measures.
Magnetic service expert	<ul style="list-style-type: none"> › Meets all the requirements of the technician. › Trained and authorised by Magnetic.
Operator	<ul style="list-style-type: none"> › Trained by the operator.

Table 1: Qualifications of personnel

Task	Transport equipment operator	Technician	Magnetic service expert	Operator
Transporting	X	X	X	–
Unpacking	X	X	X	–
Laying the foundation	–	X	X	–
Mounting	–	X	X	–
Electrical connection ¹⁾	–	X	X	–
Parameterisation	–	–	X	–
Commissioning ²⁾	–	–	X	–
Operating	–	X	X	X
Cleaning ³⁾	–	X	X	X
Servicing ³⁾	–	X	X	–
Check ⁴⁾	–	–	X	–
Troubleshooting	–	–	X	–
Repairing	–	X	X	–
Decommissioning	–	X	X	–
Dismounting	–	X	X	–
Disposing	–	X	X	–

- 1) Electrical work to the product must be carried out by technicians with additional qualification and by Magnetic service experts. Electrical work to the electrical system provided by the customer must only be carried out by a qualified electrician.
- 2) As per the supplied log book "Full height swing door MPT-362 and MPT-372"
- 3) According to the maintenance plan in these operating instructions
- 4) At least once a year in accordance with the supplied log book

Table 2: Activities and qualifications

2.4 Personal protective equipment

It is necessary to wear personal protective equipment when dealing with the product so as to minimise health hazards.

Properly dress in the necessary protective equipment such as work clothes, protective gloves, safety shoes, etc. before performing any work and wear this during work.

2.5 Symbols on the device



Warning of electric voltage!

The warning sign indicates dangerous areas with dangerous electric voltage. Non-observance of the warning signs causes severe injuries or death. The work to be done must only be performed by qualified electricians, technicians with an appropriate additional qualification or Magnetic service experts.

This warning sign is fixed at the following point:

- › At the terminals, under the cover.

2.6 For your safety



Mortal danger by electric voltage!

Touching live parts can be lethal. Damage to the insulation or to individual components can be lethal.

- › If the insulation or any other parts are damaged, switch off the power supply at once and arrange for repairs.
- › Only qualified electricians may perform any work on the electrical system. Electrical work to the product must be carried out by qualified electricians, Magnetic service experts and technicians with an appropriate additional qualification.
- › Before commencing any work, switch off power supply and secure against restarting. Test for absence of voltage.
- › Perform the electrical installation in accordance with the applicable regulations.
- › Install protective devices that are required by national and local regulations, such as e.g., residual current devices. These protective devices must be provided by the customer.
- › Observe the information on the type plate.
- › Close all covers after all work is completed.
- › Keep moisture and dust away from live parts. Intruding moisture and dust may cause a short circuit.
- › If the electrical connection is made during precipitation, e.g., rain or snow, prevent the intrusion of moisture by means of suitable protective covers.
- › During or after a lightning struck the system, touching the components or being in the immediate vicinity of the system poses a danger to life. When mounting outside, do not install and mount the pedestrian gate during thunderstorms.

2.7 To protect the environment



Improper disposal!

Improper disposal can result in damage to the environment.

- › Dispose of the product in accordance with local and national laws and regulations.
- › Sort resources and supply them to recycling.

2.8 Emergency opening the pedestrian gate

↗ Page 96, chapter 9.7.

2.9 Earthing support beam, cover, and service door



IMPORTANT!

For safe operation, the support beam, the cover, and the service door must be earthed. Service door, cover, and support beam are earthed via protective earth conductors and earthing points. During operation, all protective earth conductors must be connected to the intended earthing points.

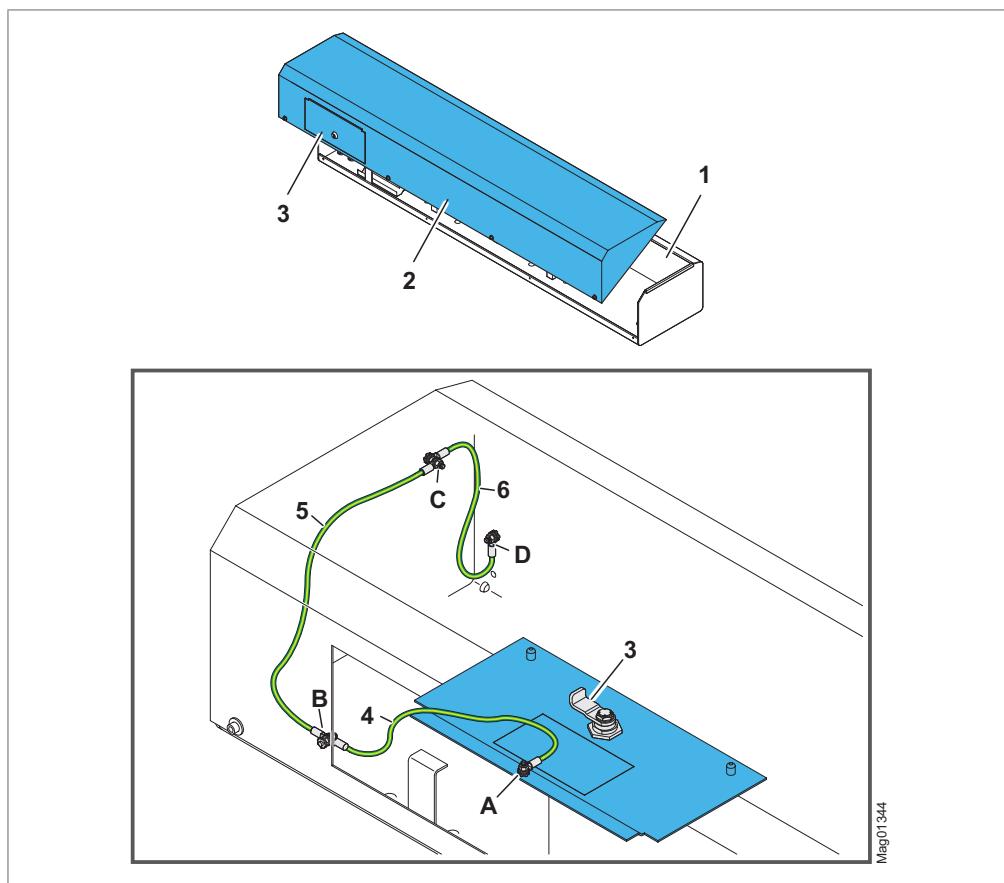
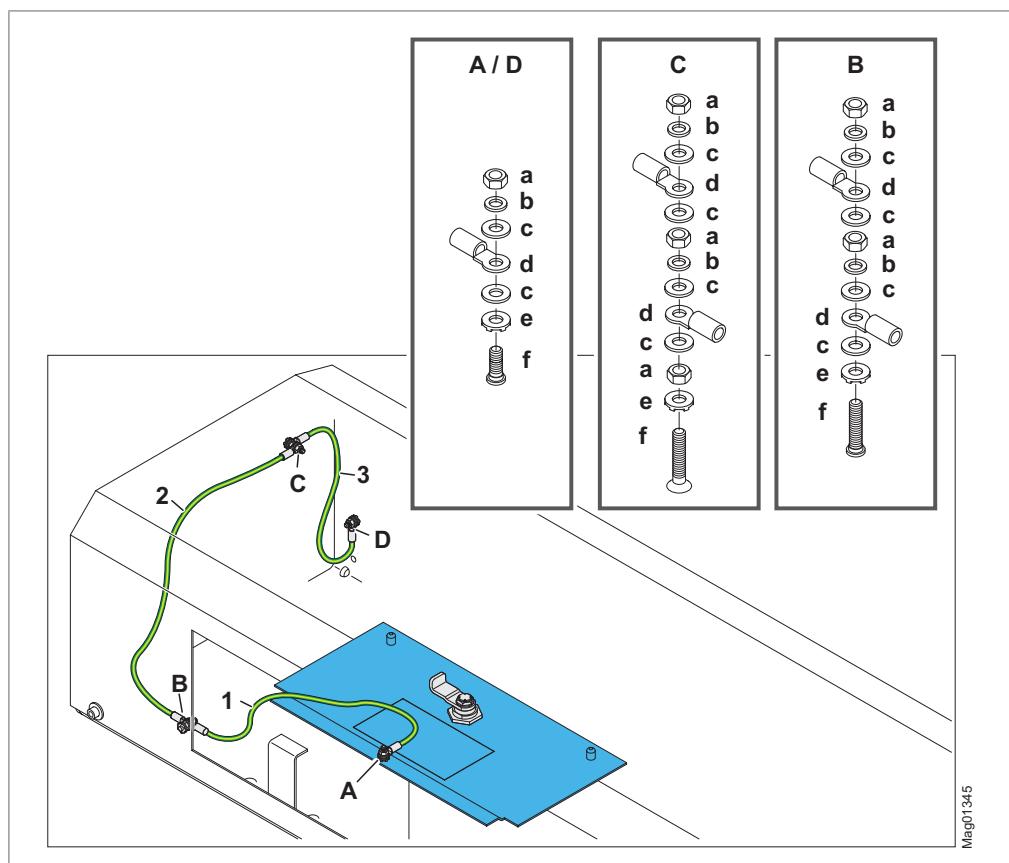


Fig. 1: Earthing support beam, cover, and service door (exemplary representation)

- 1 Support beam
- 2 Cover
- 3 Service door
- 4 Protective earth conductor for service door
- 5 Protective earth conductor for cover
- 6 Protective earth conductor for support beam
- A Earthing point service door (single) ↗ Page 17, Fig. 2
- B Earthing point cover (double) ↗ Page 17, Fig. 2
- C Earthing point support beam (double) ↗ Page 17, Fig. 2
- D Earthing point mounting panel support beam (single) ↗ Page 16, Fig. 1



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Fig. 2: Earthing points service door, cover and support beam (exemplary representation)

- A Earthing point service door (single)
- B Earthing point cover (double)
- C Earthing point support beam (double)
- D Earthing point mounting panel support beam (single)

- a Brass nut
- b Schnorr fuse
- c Brass disc
- d Ring cable lug
- e Contact disc
- f Earthing bolt / earthing screw

- 1 Protective earth conductor for service door (protective earth conductor service door – cover)
- 2 Protective earth conductor for cover (protective earth conductor for cover – support beam)
- 3 Protective earth conductor for support beam (protective earth conductor mounting panel support beam – support beam)

3 Technical data

3.1 Dimensions and design

3.1.1 MPG-362

Without optional handrail

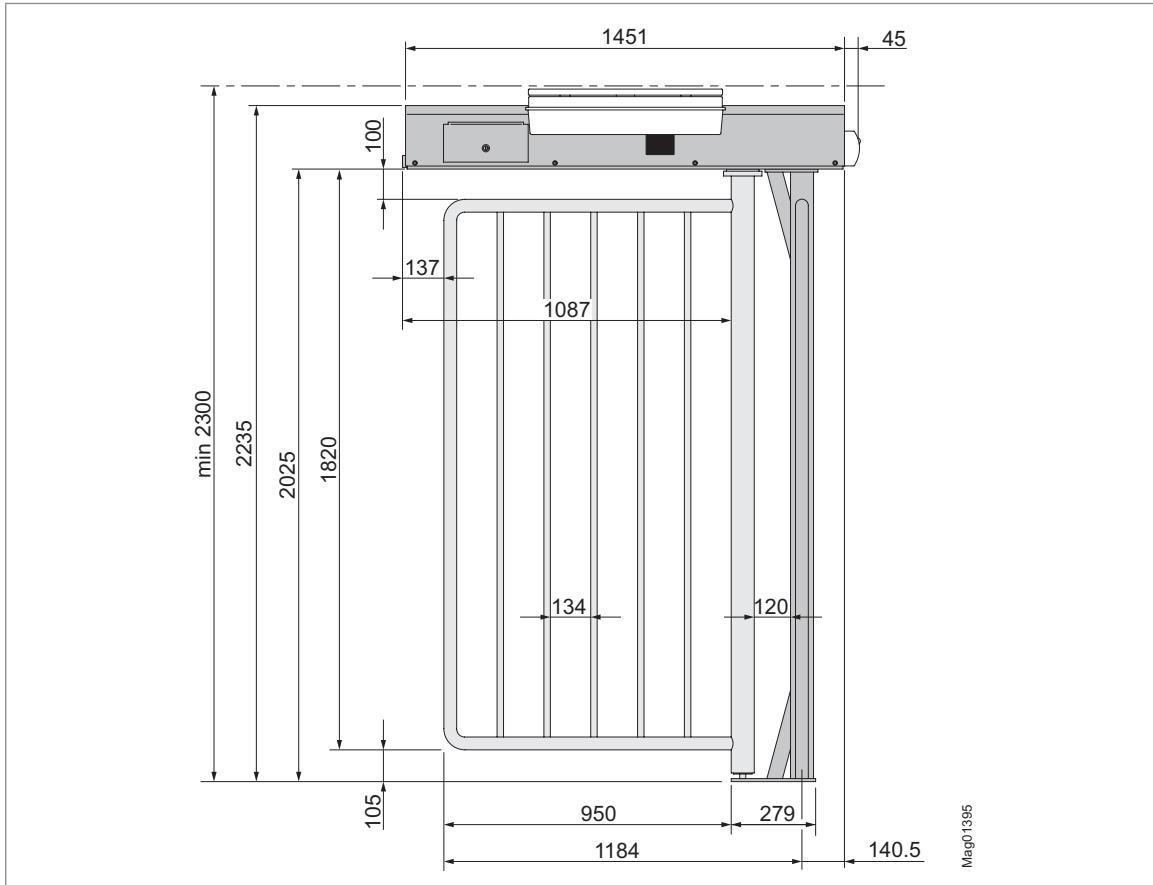


Fig. 3: Dimensions (size in mm) – MPG-362 without option handrail
View from zone controlled (ZC),
Illumination, twilight switch, and GED optional
Required height min. 2300 mm to open the cover.

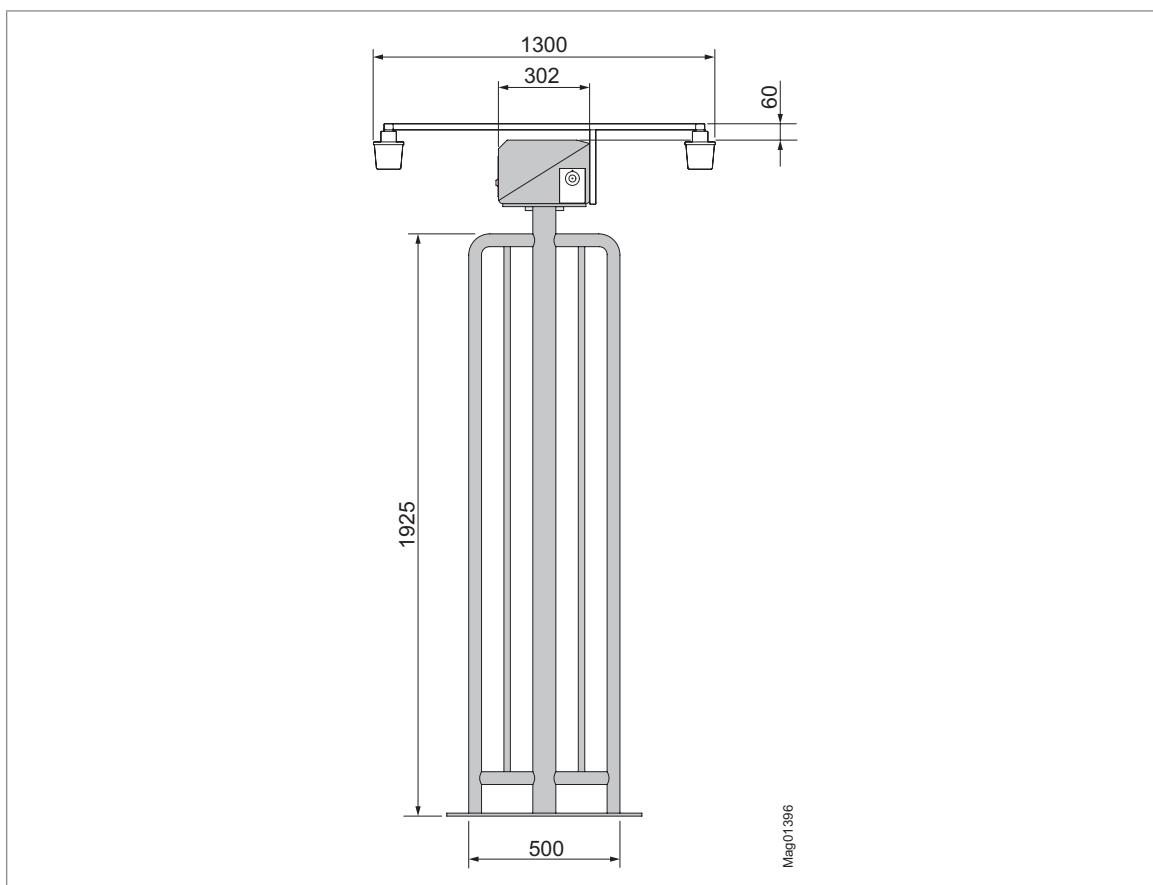


Fig. 4: Dimensions (size in mm) – MPG-362 without optional handrail
Side view, illumination and twilight switch optional

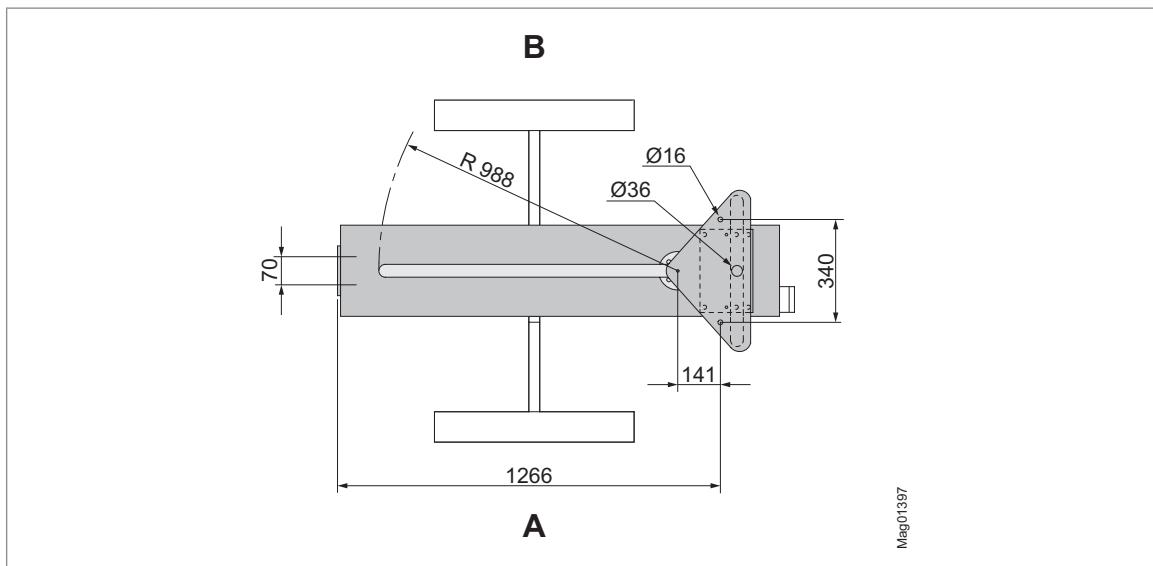


Fig. 5: Dimensions (size in mm) – MPG-362 without optional handrail
Bottom view, illumination and twilight switch optional

A Zone not controlled (ZNC)

B Zone controlled (ZC)

With optional handrail

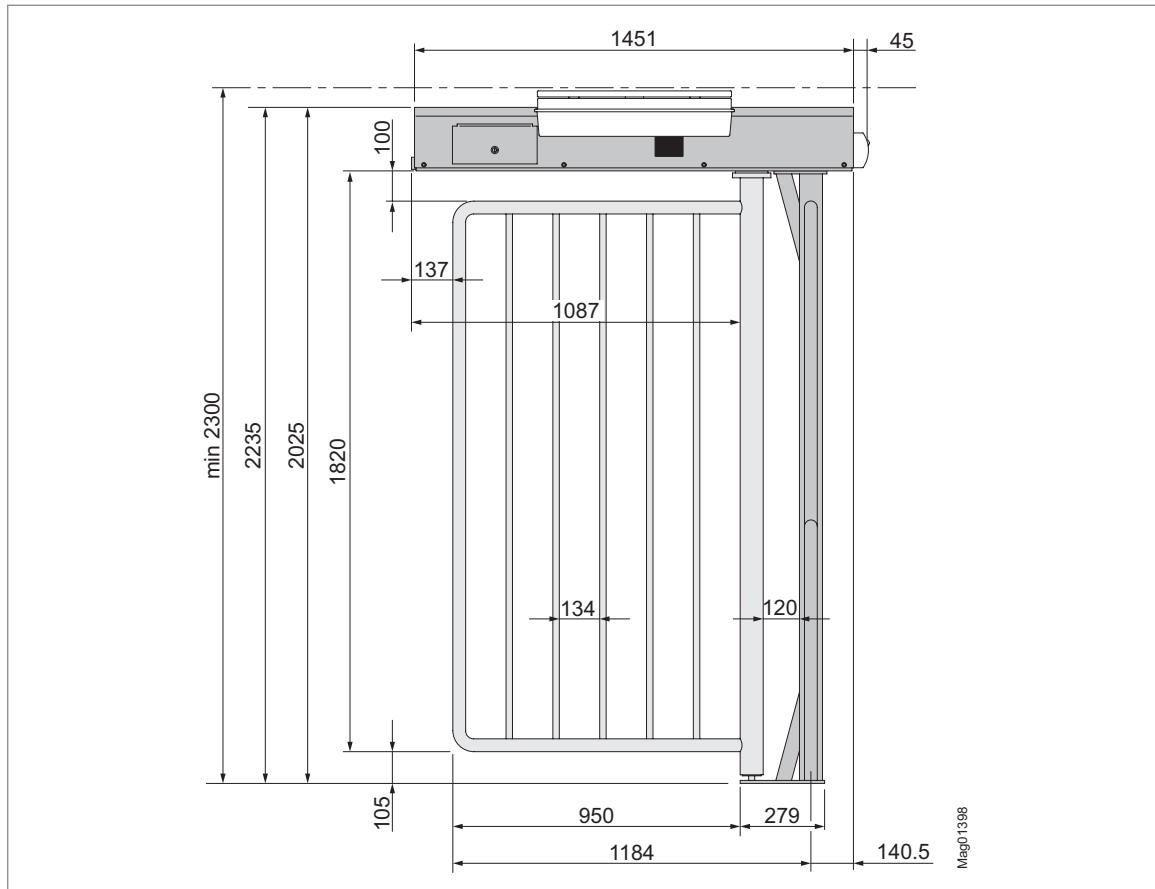


Fig. 6: Dimensions (size in mm) – MPG-362 with option handrail
View from zone controlled (ZC),
Illumination, twilight switch, and GED optional
Required height min. 2300 mm to open the cover.

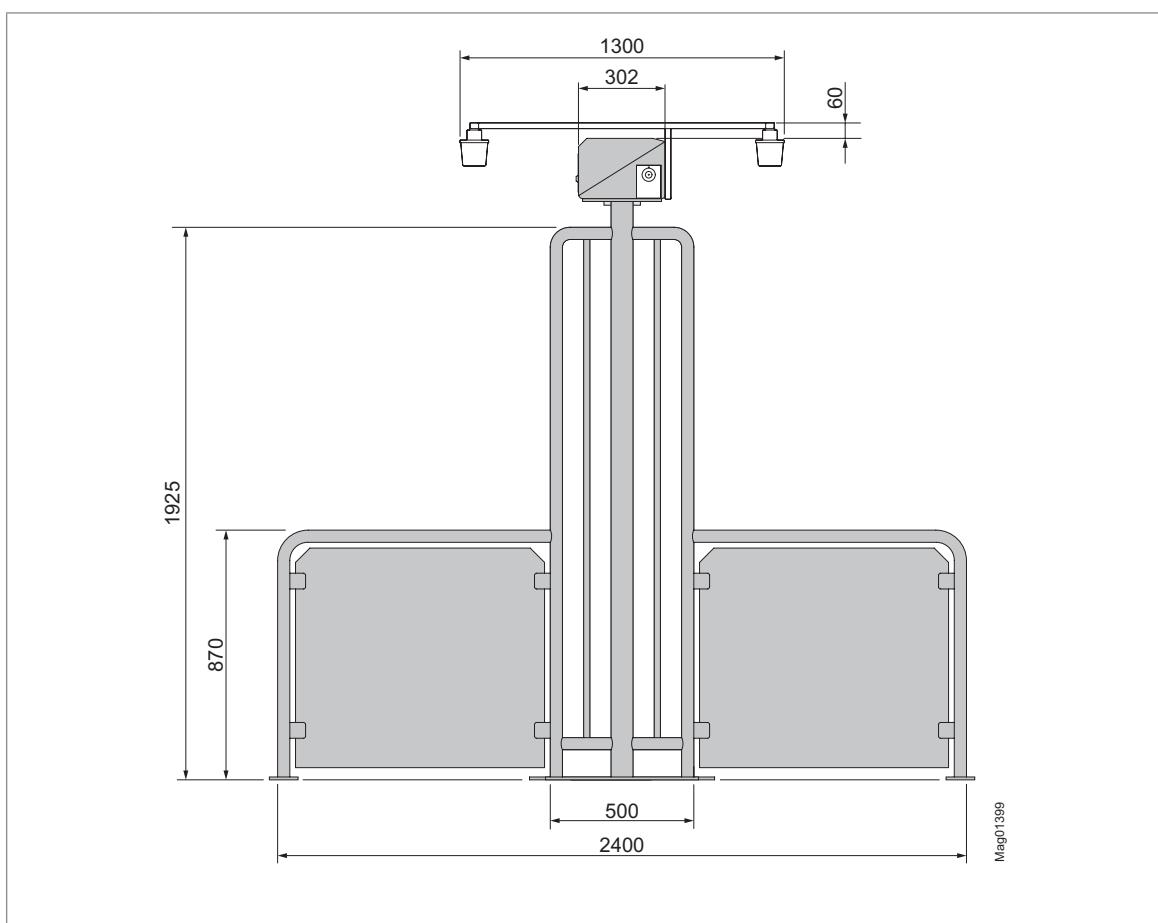


Fig. 7: Dimensions (size in mm) – MPG-362 with optional handrail
Side view, illumination and twilight switch optional

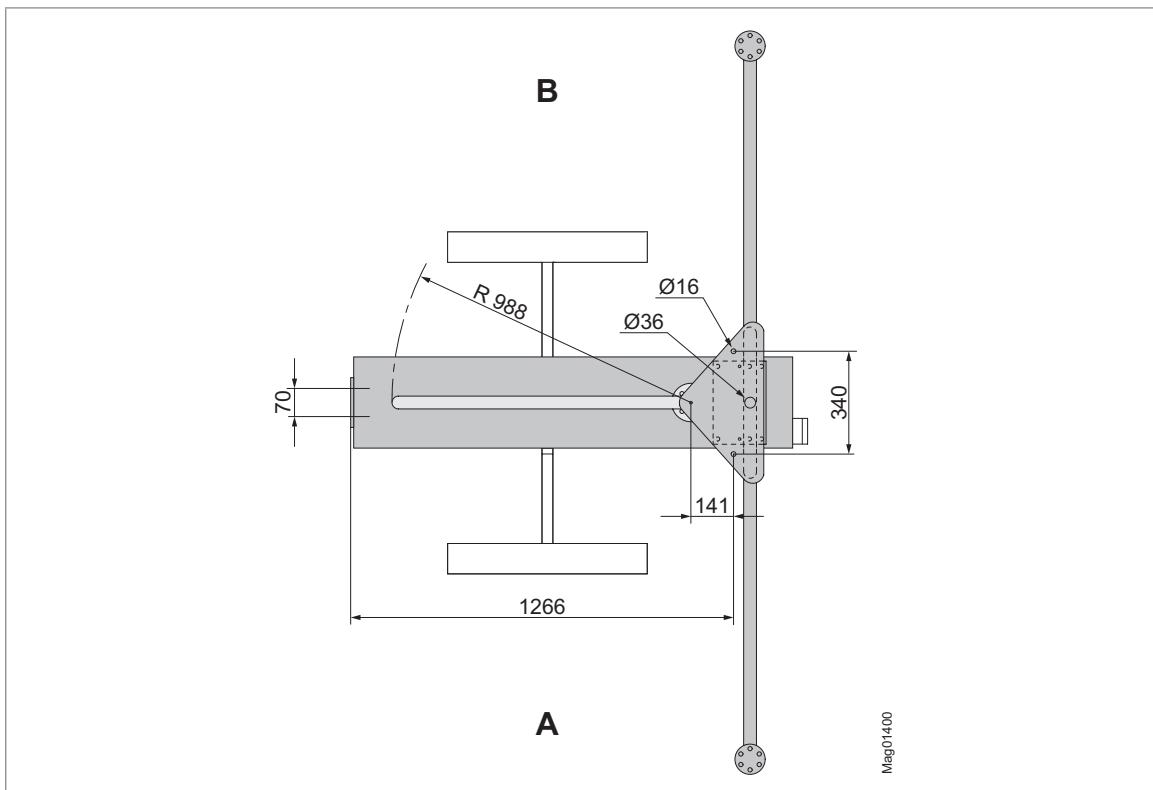


Fig. 8: Dimensions (size in mm) – MPG-362 with optional handrail
Bottom view, illumination and twilight switch optional

A Zone not controlled (ZNC)
B Zone controlled (ZC)

Designation	Value
Dimensions (width x depth x height)	<ul style="list-style-type: none"> Without handrail: 1451 mm x 500 mm x 2300 mm With handrail: 1451 mm x 2400 mm x 2300 mm
Weight	Pedestrian gate without attachments: 220 kg
Material, coating, and colour	Depending on the version ordered: See order confirmation

Table 3: Dimensions and design – MPG-362

3.1.2 MPG-372

Without optional handrail

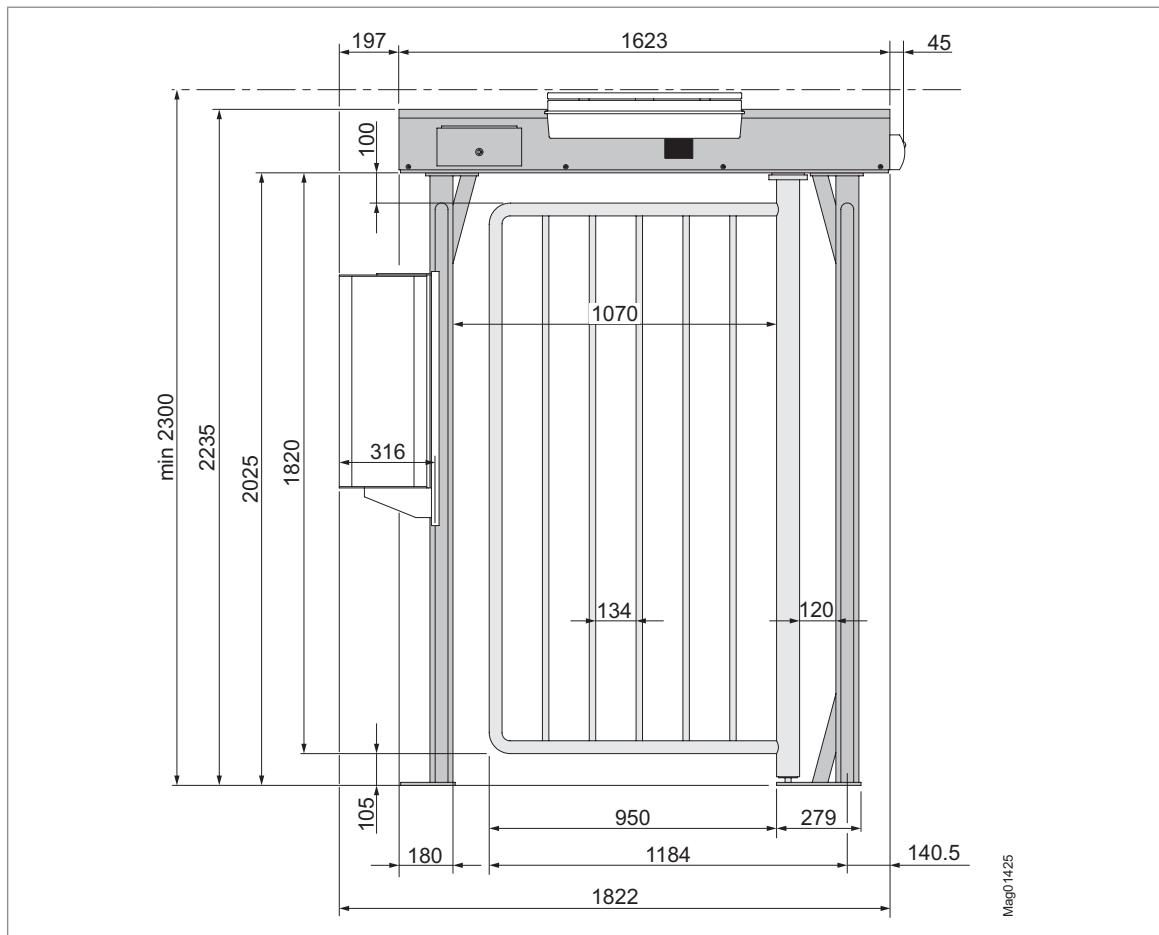


Fig. 9: Dimensions (size in mm) – MPG-372 without option handrail
View from zone controlled (ZC),
Illumination, twilight switch, GED, and mounting pillar optional
Required height min. 2300 mm to open the cover.

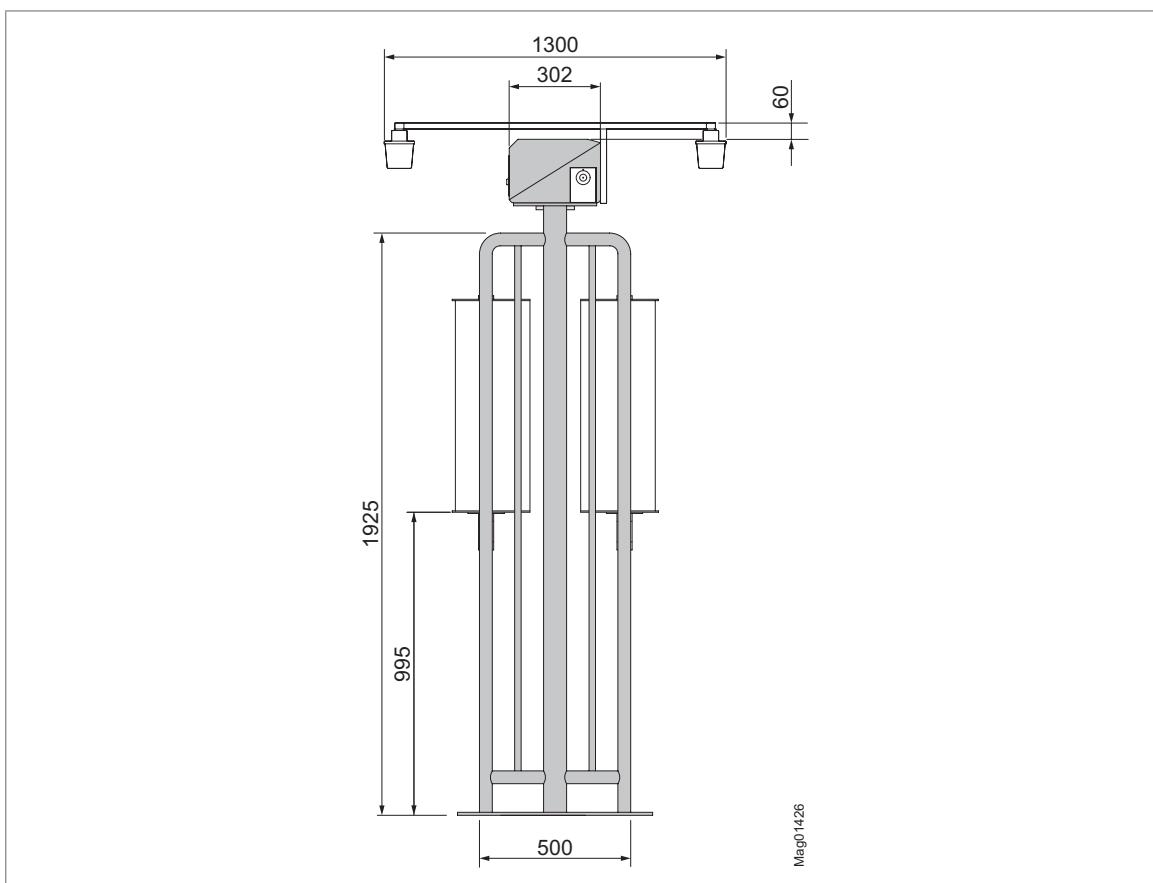


Fig. 10: Dimensions (size in mm) – MPG-372 without optional handrail
Side view
Illumination, twilight switch, and mounting pillar optional,
Mounting height of mounting pillar for version by Magnetic

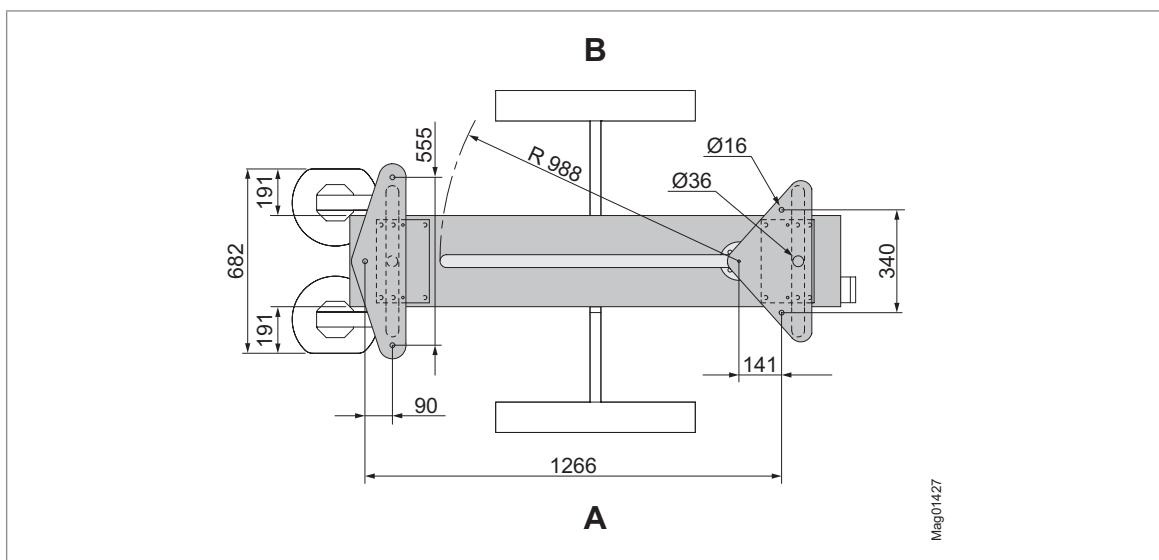


Fig. 11: Dimensions (size in mm) – MPG-372 without optional handrail
Bottom view,
Illumination, twilight switch, and mounting pillar optional

- A Zone not controlled (ZNC)
- B Zone controlled (ZC)

With handrail

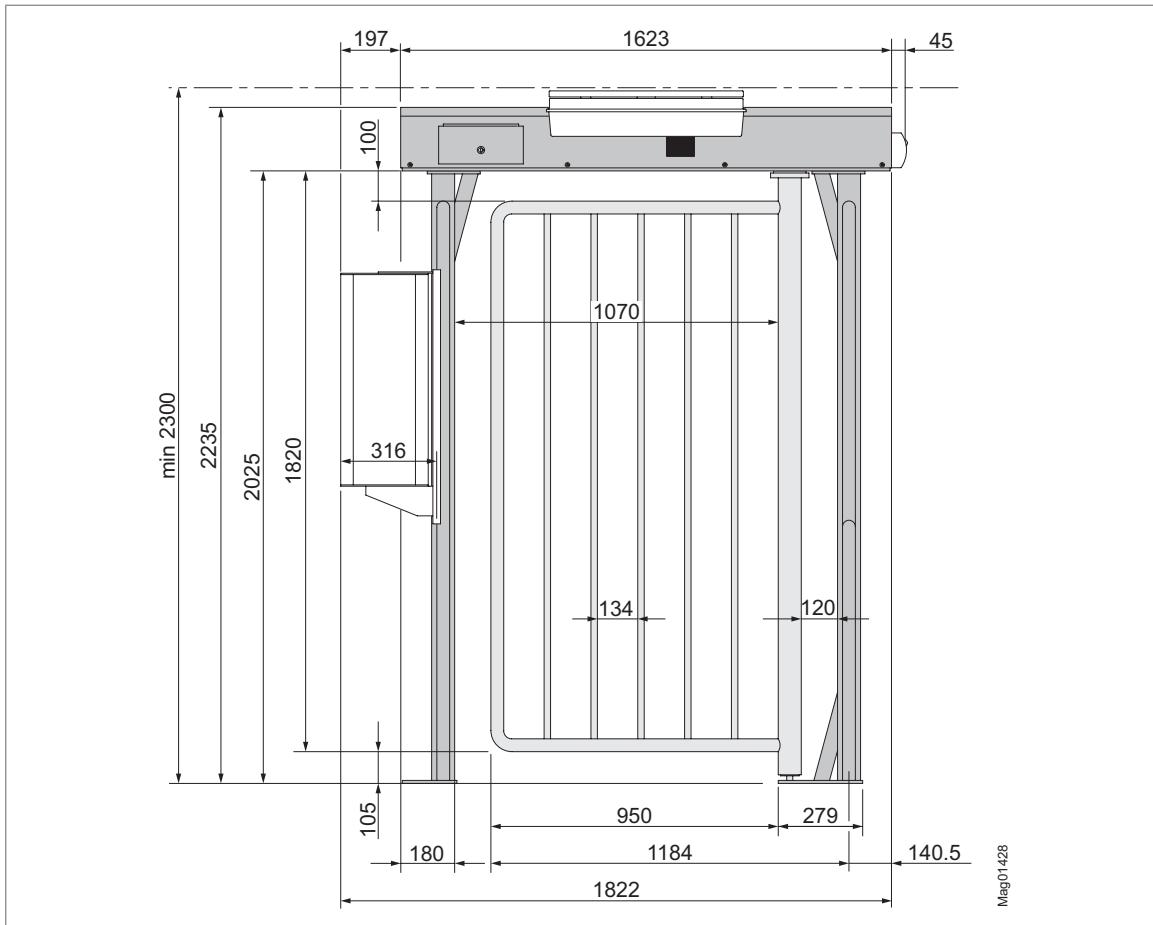


Fig. 12: Dimensions (size in mm) – MPG-372 with option handrail
 View from zone controlled (ZC),
 Illumination, twilight switch, GED, and mounting pillar optional
 Required height min. 2300 mm to open the cover.

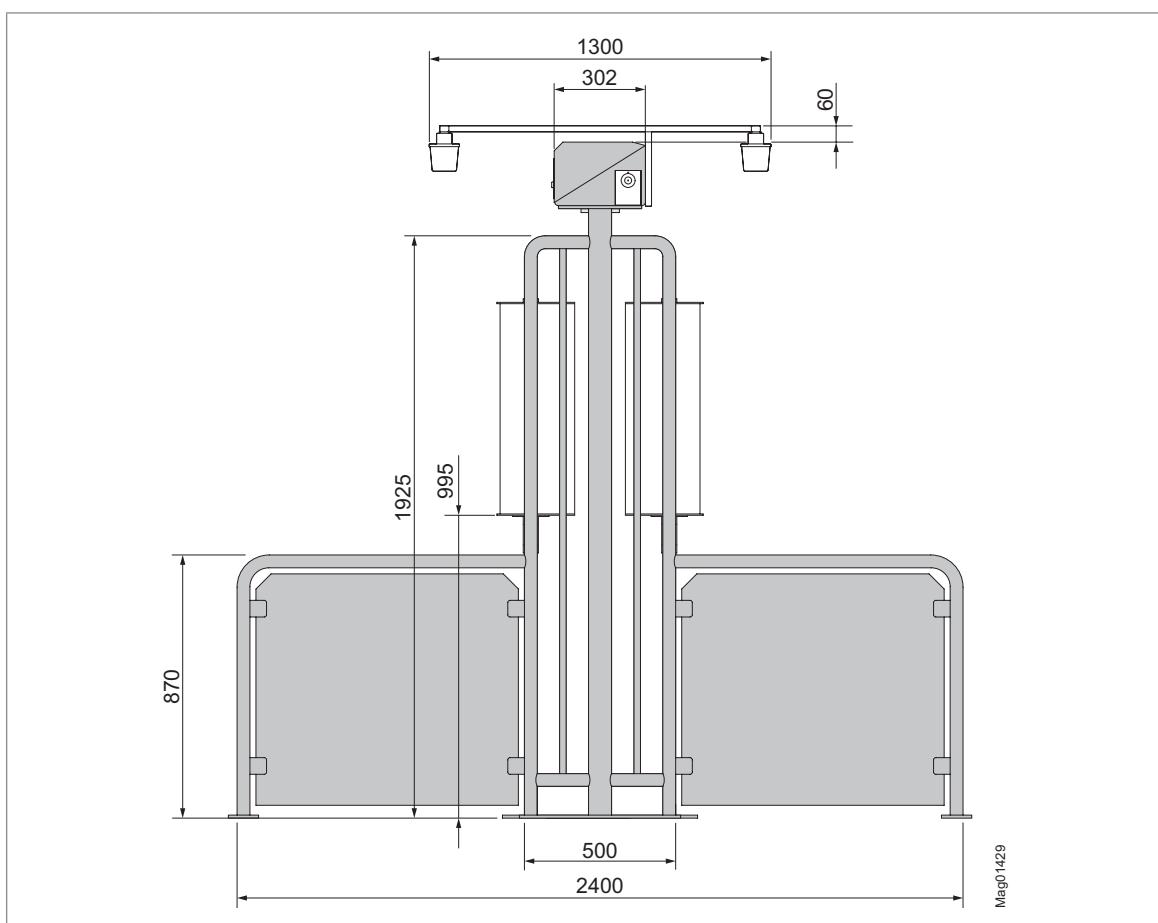


Fig. 13: Dimensions (size in mm) – MPG-372 with optional handrail
Side view
Illumination, twilight switch, mounting pillar optional,
Mounting height of mounting pillar for version by Magnetic

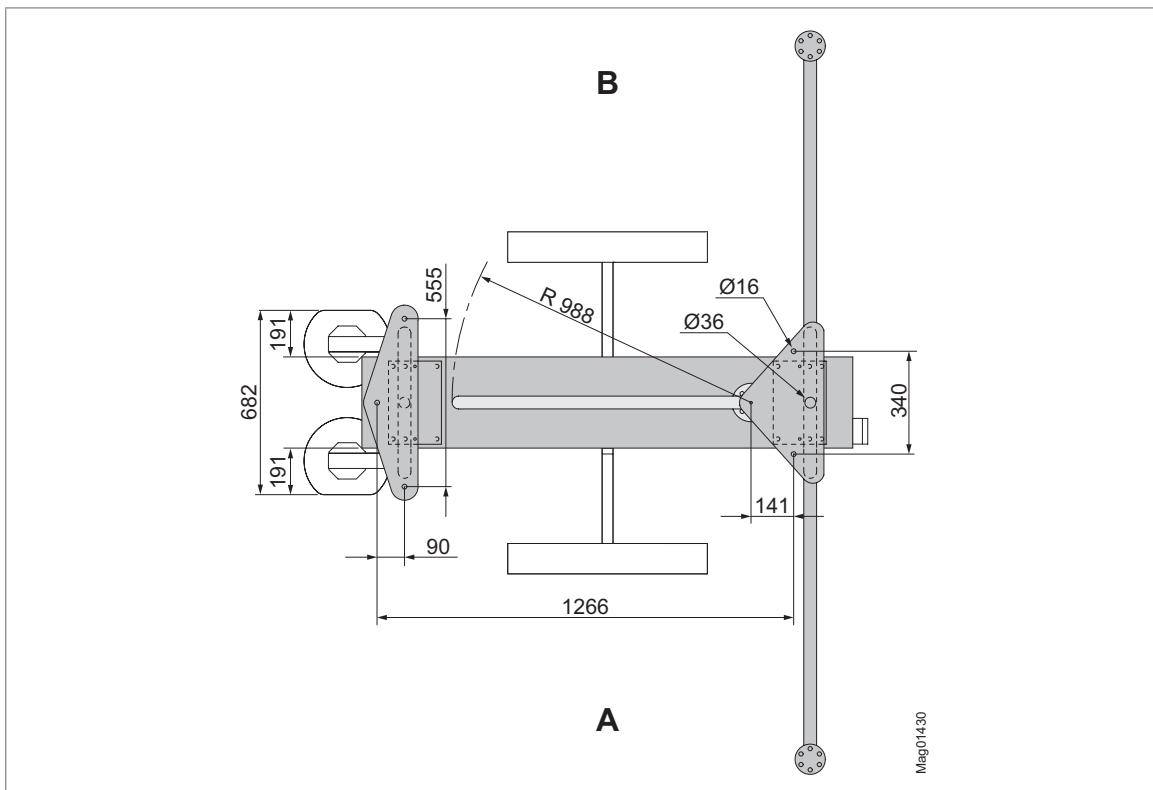


Fig. 14: Dimensions (size in mm) – MPG-372 with optional handrail
 Bottom view,
 Illumination, twilight switch, and mounting pillar optional

- A Zone not controlled (ZNC)
- B Zone controlled (ZC)

Designation	Value
Dimensions (width x depth x height) without optional mounting pillars	<ul style="list-style-type: none"> Without handrail: 1623 mm x 500 mm x 2300 mm With handrail: 1623 mm x 2400 mm x 2300 mm
Weight	Pedestrian gate without attachments: 250 kg
Material, coating, and colour	Depending on the version ordered: See order confirmation

Table 4: Dimensions and design – MPG-372

3.2 Electrical connection

3.2.1 Electrical connection

Designation	Value	
	230 V AC / 50 Hz	115 V AC / 60 Hz
Power supply	110 / 230 V AC \pm 10%, 50 / 60 Hz	
Max. current consumption	› In movement: 0.2 A › At home position: 0.3 A	› In movement: 0.3 A › At home position: 0.5 A
Max. power consumption	› In movement: 20 W › At home position: 34 W	› In movement: 19 W › At home position: 33 W
Starting current (max. 30 ms)	9.0 A	4.4 A
Duty cycle	100%	

Table 5: Electrical connection – MPG

3.3 Operating conditions

Designation	Value
Operating temperature range	–25 to +55 °C
Storage temperature range	–30 to +70 °C
Relative humidity	Maximum 95%, non-condensing
IP rating	IP 43, optional: IP 54

Table 6: Operating conditions – MPG

3.4 Emissions

Designation	Value
Airborne sound pressure level (LpA)	\leq 70 dB (A)

Table 7: Emissions – MPG

3.5 Performance values

Designation	Value
Opening time	approx. 3.0 s
Closing time	approx. 3.0 s

Table 8: Performance values

3.6 Control unit MGC

Designation	Value	
Power supply	24 V DC	
Control unit	max. 1 A: max. 300 mA + current consumption of the different plug-in modules	
Power consumption	max. 24 W: Max. 7.2 W + power consumption of the individual plug-in modules	
Control unit safety device	1 A T	
Output terminal 2	Output voltage	24 V DC
	Max. output current	300 mA
Digital inputs	Number	8
	Input voltage	24 ± 10 % V DC
	Input current	< 10 mA per input
	Max. cable length ¹⁾	30 m
Digital outputs	Number	4 (open collector)
	Input voltage	24 ± 10 % V DC
	Input current	100 mA
	Max. cable length ¹⁾	30 m
Relay outputs	Number	3 closers + 3 changeovers , isolated
	Max. switched voltage	30 V AC / DC
	Switching current	10 mA up to 1 A
	Max. cable length ¹⁾	30 m
Display	Graphics display, 128 x 65 pixel	
Number of slots for plug-in modules	5	

1) Specified without optional over voltage module. For cable lengths above 30 m, over-voltage modules must be installed upstream of the terminals.

Table 9: Control unit MGC

4 Design and function

4.1 Design of the MPG-362

Without optional handrail

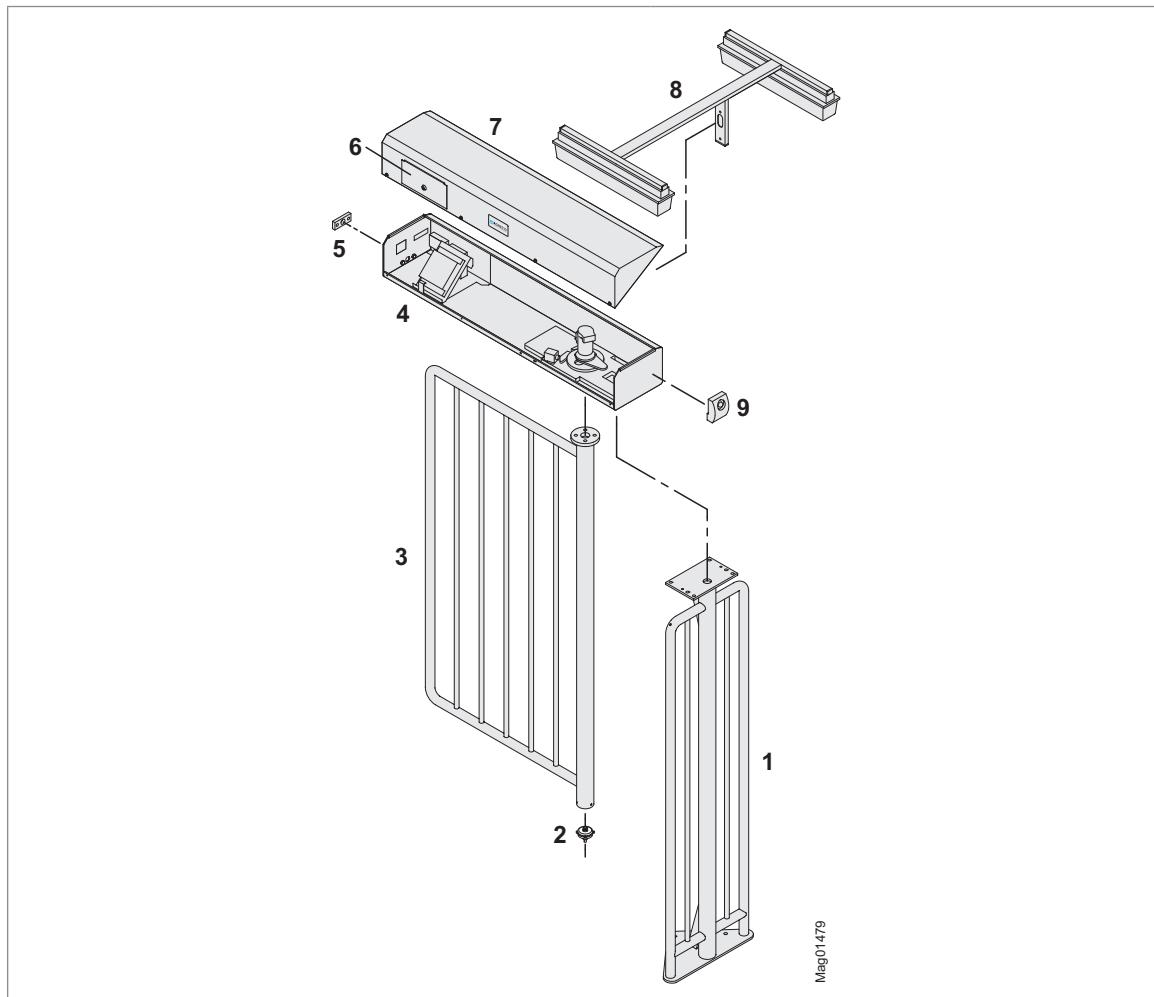


Fig. 15: Design "Full height swing door MPG-362 without optional handrail"

1 Turn wing foot	6 Service door
2 Floor bearing	7 Cover (without optional GEDs)
3 Turn wing	8 Illumination (optional)
4 Support beam	9 Twilight switch (optional)
5 Connection block	

With optional handrail

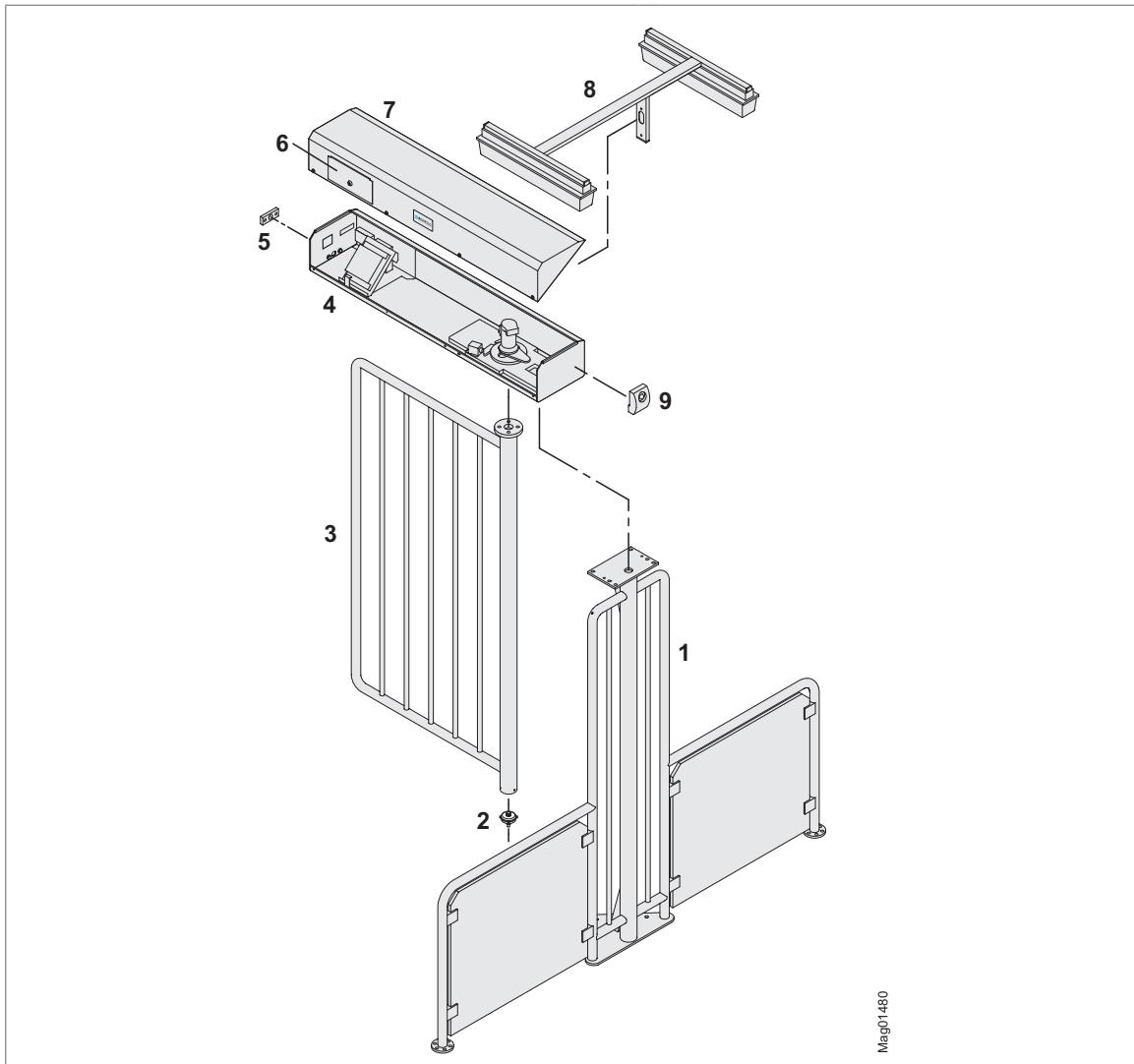


Fig. 16: Design "Full height swing door MPG-362 with optional handrail"

1	Foot for turn wing with 2 handrails and integrated induction loops	6	Service door
2	Floor bearing	7	Cover (without optional GEDs)
3	Turn wing	8	Illumination (optional)
4	Support beam	9	Twilight switch (optional)
5	Connection block		

4.2 Design of the MPG-372

Without optional handrail

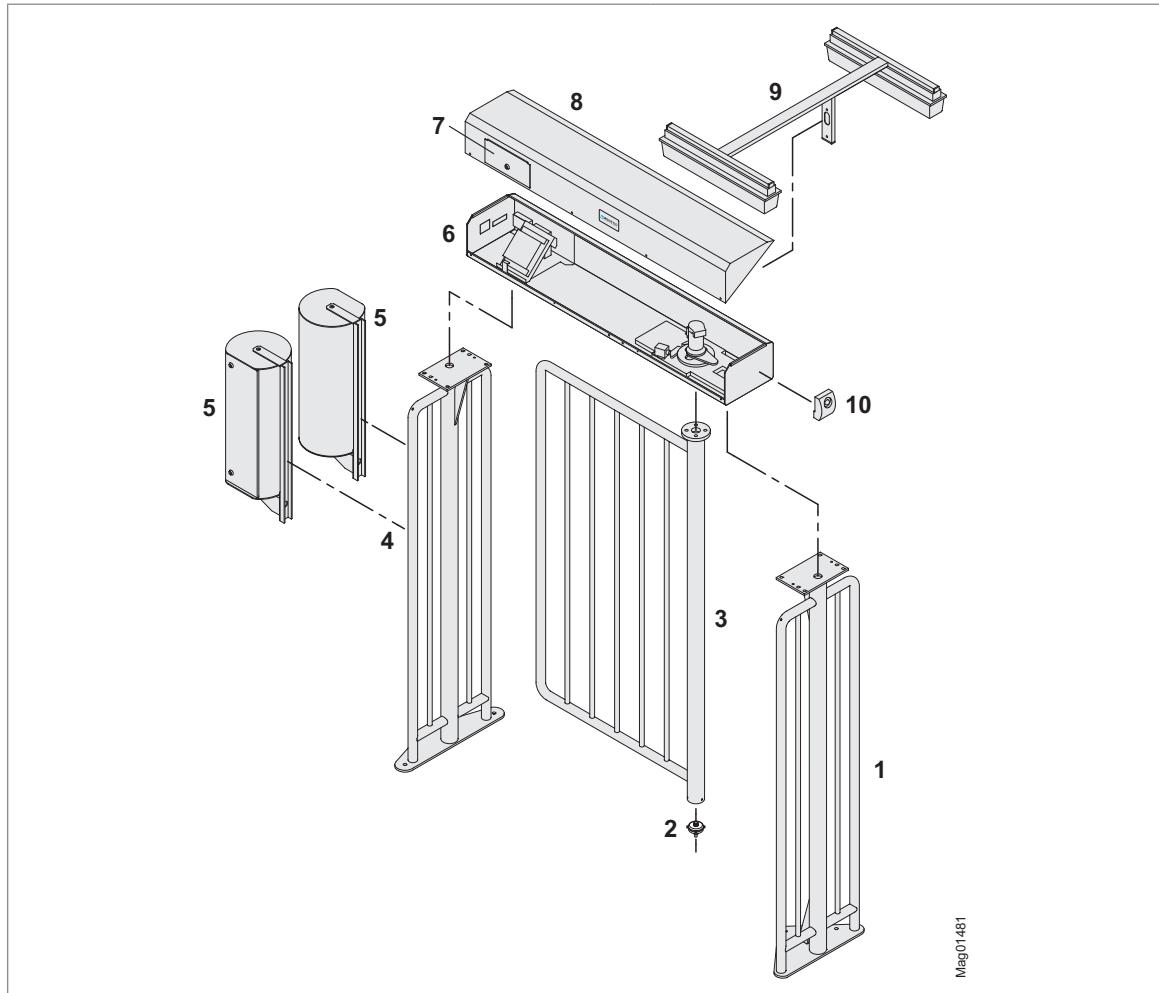


Fig. 17: Design "Full height swing door MPG-372 without optional handrail"

1 Turn wing foot	6 Support beam
2 Floor bearing	7 Service door
3 Turn wing	8 Cover (without optional GEDs)
4 Foot	9 Illumination (optional)
5 Mounting pillar (optional)	10 Twilight switch (optional)

With optional handrail

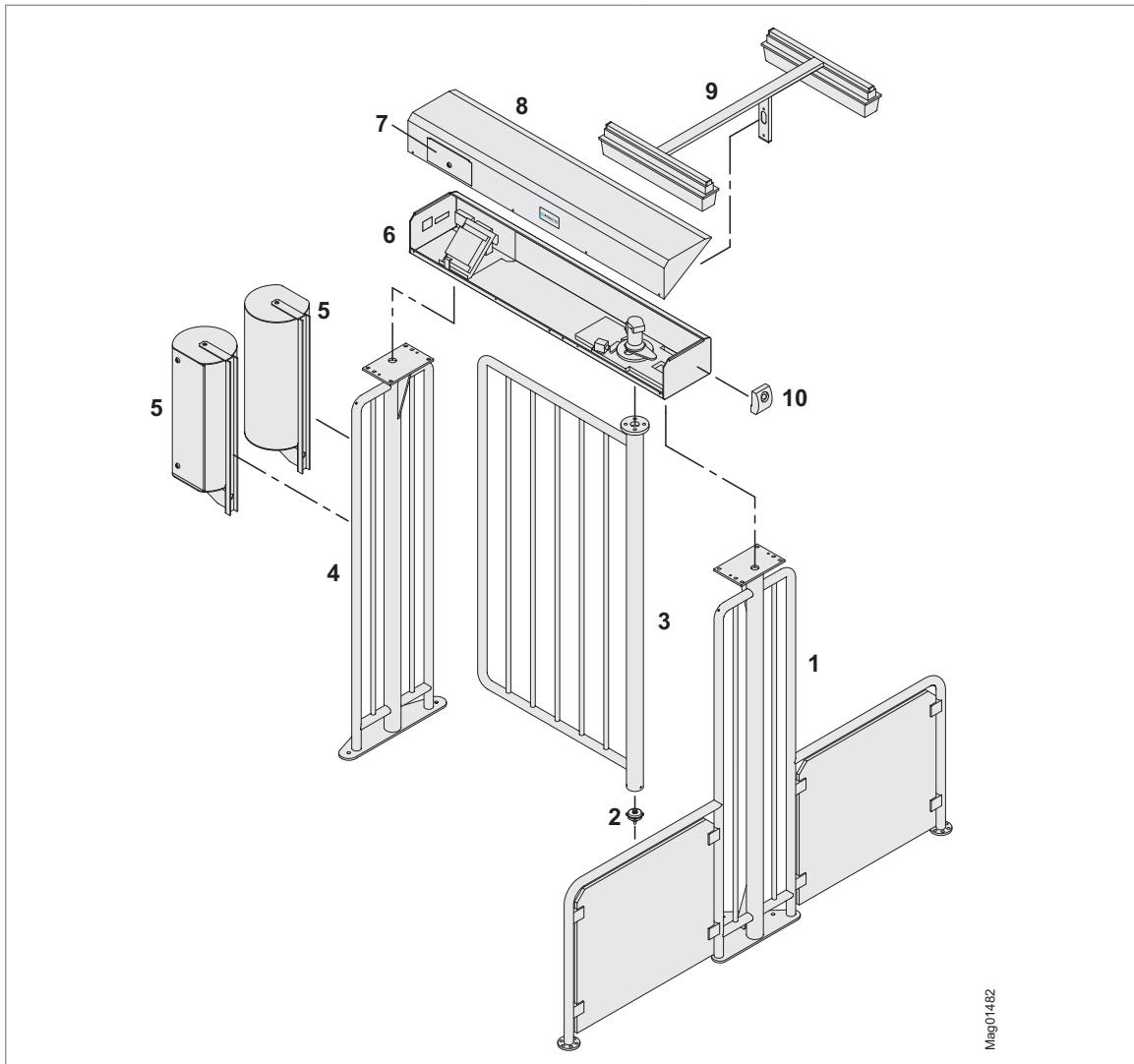


Fig. 18: Design "Full height swing door MPG-372 with optional handrail"

1 Foot for turn wing with 2 handrails and integrated induction loops	6 Support beam
2 Floor bearing	7 Service door
3 Turn wing	8 Cover (without optional GEDs)
4 Base	9 Illumination (optional)
5 Mounting pillar (optional)	10 Twilight switch (optional)

4.3 Function

The MPG-372 swing door can be mounted rotating freely. The MPG-362 swing door is designed for attachment to another pedestrian gate such as to an MPT turnstile.

The swing door is also suitable as a supplement to other pedestrian gates, where bulky objects must be taken along or persons separated in a wheelchair-accessible manner. In general, the hinged gate is integrated in the fence and gate systems.

The turnstile can be operated in two directions. In multi-lane installations with high passage rates, the entry and exit lanes can also be configured for one-way passage.

When idle, the passage is blocked. The turn wing is only opened after authorisation by an external command device such as a card reader or by a doorman.

In order to fulfil high safety requirements, the swing door is equipped with a locking system by default. The locking locks the turn wing in the locked position. You can choose between the variants “locking locked when de-energised” or “locking rotating freely when de-energised”.

The MPG-362 and MPG-372 swing doors are optionally available with two handrails. Induction loops are integrated into the handrails either on one side or on both sides, depending on the version. Optionally, the handrails are also available without induction loops.

4.4 Definitions and versions

Entry and exit

The service door or the cover of the support beam points into the zone controlled.

- › Entry: Passage from the zone not controlled (ZNC) to the zone controlled (ZC)
- › Exit: Passage from the zone controlled (ZC) to the zone not controlled (ZNC)

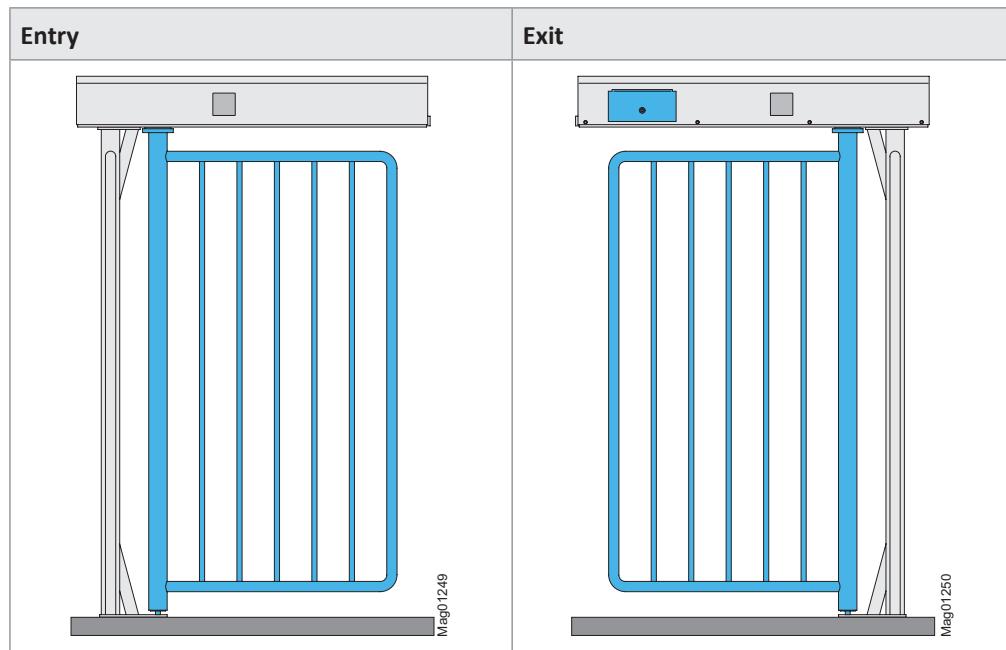


Fig. 19: MPG-362: View from zone not controlled (ZNC) – entry

Fig. 20: MPG-362: View from the zone controlled (ZC) – exit

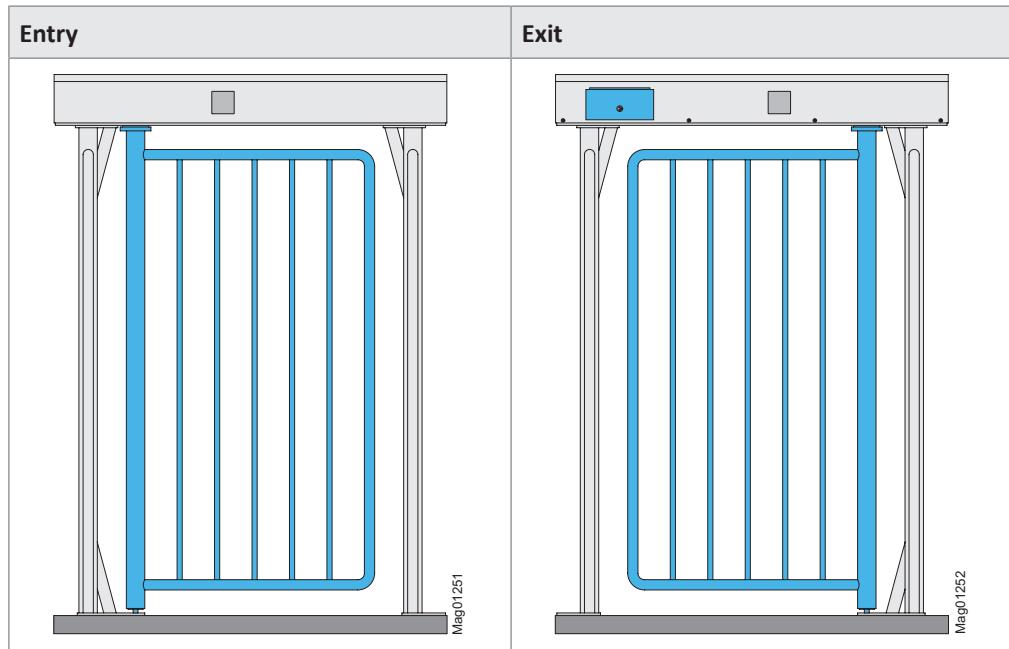


Fig. 21: MPG-372: View from zone not controlled (ZNC) – entry

Fig. 22: MPG-372: View from the zone controlled (ZC) – exit

5 Receipt of goods, transport, and storage

5.1 Receipt of goods

Immediately check the delivery after receipt for completeness and transport damages.

In case of externally visible transport damage, proceed as follows:

- › Do not accept the delivery or only under reserve.
- › Note the extent of damage on the transport documents or on the delivery note of the carrier.
- › Lodge complaint.



IMPORTANT!

Lodge a complaint for each defect as soon as it is recognised. Compensation claims can only be submitted within the valid complaint periods.

5.2 Safety during transport

Qualification of personnel

- › Transport equipment operator
- › Technician

↗ Page 12, chapter 2.3.2.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

⚠ WARNING	
	<p>Falling or tipping components!</p> <p>The weight of the components can cause serious crushing injuries and severe injuries.</p> <ul style="list-style-type: none">› Ideally, transport and position the goods to be transported with suitable transport aids such as forklifts or pallet trucks.› Forklift forks or lift truck forks must reach entirely through under the components or pallet. Observe the centre of gravity of the load.› Secure the transported goods with sufficiently dimensioned lifting gear. Observe the weight of the respective components.› Only install the pedestrian gate when there is little or no wind.› Secure the components against falling off or tipping.

⚠ WARNING	
	<p>Lifting heavy loads!</p> <p>Lifting heavy objects can result in severe damage to the back or supporting structure.</p> <ul style="list-style-type: none">› Transport, lift and set down the goods to be transported using suitable transport aids.

NOTICE	
	<p>Improper transport!</p> <p>An improper transport may result in damage to the product.</p> <ul style="list-style-type: none">› Observe the symbols on the packaging.› Always load, transport and unload packages carefully.› Note the dimension.› Do not remove packaging until immediately before mounting and at the final location of the product.

5.3 Transport

The recipient of the product is responsible for internal transport.

- › Transport and position the goods to be transported with a suitable forklift or pallet truck.
- › The forklift forks or lift truck forks must reach completely under the transported goods. Observe the centre of gravity of the load.
- › Secure the transported goods with sufficiently dimensioned lifting gear.

5.4 Storage

Store packages or the product under the following conditions:

- › Store the delivery in its original packaging. Observe the symbols on the packaging.
- › Do not store outdoors.
- › Store dry and dust free.
- › Do not expose to aggressive media.
- › Protect against solar irradiation.
- › Avoid mechanical vibrations.
- › Storage temperature range: –30 to +70 °C
- › Relative humidity: max. 95%, non-condensing

Check the general condition of all components and packaging regularly if they are stored for longer periods than 3 months.

6 Unpacking, scope of delivery and identification

6.1 Unpacking

⚠ WARNING	
	<p>Falling or tipping components!</p> <p>The weight of the components can cause serious crushing injuries and severe injuries.</p> <ul style="list-style-type: none">› Ideally, transport and position the goods to be transported with suitable transport aids such as forklifts or pallet trucks.› Forklift forks or lift truck forks must reach entirely through under the components or pallet. Observe the centre of gravity of the load.› Secure the transported goods with sufficiently dimensioned lifting gear. Observe the weight of the respective components.› Only install the pedestrian gate when there is little or no wind.› Secure the components against falling off or tipping.

⚠ WARNING	
	<p>Lifting heavy loads!</p> <p>Lifting heavy objects can result in severe damage to the back or supporting structure.</p> <ul style="list-style-type: none">› Transport, lift and set down the goods to be transported using suitable transport aids.

The individual components are packed according to the expected transport conditions.

Do not destroy the packaging and remove only directly before mounting. The packaging should protect the components against transport damages, corrosion, etc.

1. Unpack product at final location.
2. Report an incomplete or faulty delivery to Magnetic.
3. Check the scope of delivery with the delivery note.
4. Sort materials by type and size and continue to use them after recycling. Observe local and regional standard laws and guidelines.

6.2 Scope of delivery

For options and attachments, see your order confirmation.

The following components are supplied with every pedestrian gate by default.

MPG-362

- › 1 turn wing foot, optional: Foot for turn wing with two handrails and integrated induction loops
- › 1 turn wing
- › 1 support beam with mounted cover
- › 1 floor bearing for turn wings
- › 1 connection block
- › 1 attachment set for mounting the swing door directly on a foundation or on a base frame
- › 2 keys for the service door
- › Associated documentation and wiring diagram

MPG-372

- › 1 turn wing foot, optional: Foot for turn wing with two handrails and integrated induction loops
- › 1 foot
- › 1 turn wing
- › 1 support beam with mounted cover
- › 1 floor bearing for turn wings
- › 1 attachment set for mounting the swing door directly on a foundation or on a base frame
- › 2 keys for the service door
- › Associated documentation and wiring diagram



IMPORTANT!

Information about the attachment material: ↗ Page 45, chapter 7.2

6.3 Identification

6.3.1 Type plate

The type plate is located below the hood.

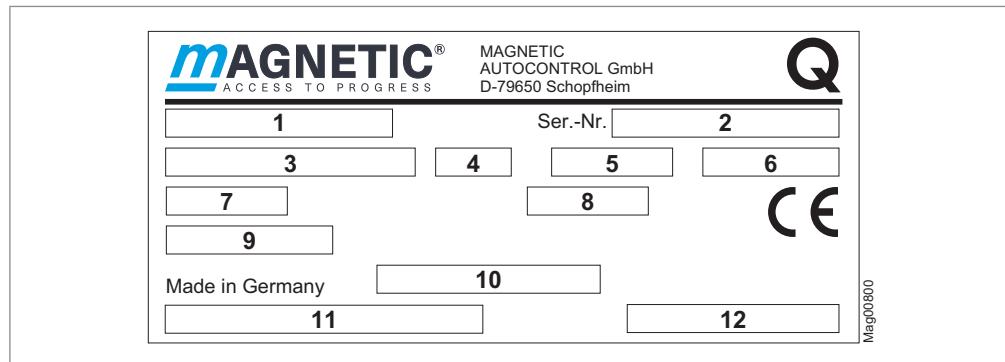


Fig. 23: Type plate

- 1 Product designation
- 2 Serial number
- 3 Power supply
- 4 Frequency
- 5 Current consumption
- 6 Power consumption
- 7 IP rating
- 8 Duty cycle for operating mode S1 "Continuous operation"
- 9 Ambient temperature range
- 10 Date of manufacture, version, date of type plate printing
- 11 Bar code for product designation
- 12 Bar code for serial number

7 **Mounting**

7.1 **Safety during mounting**

Qualification of personnel

- › Technician
- › Qualified electrician
- ↗ Page 12, chapter 2.3.2.

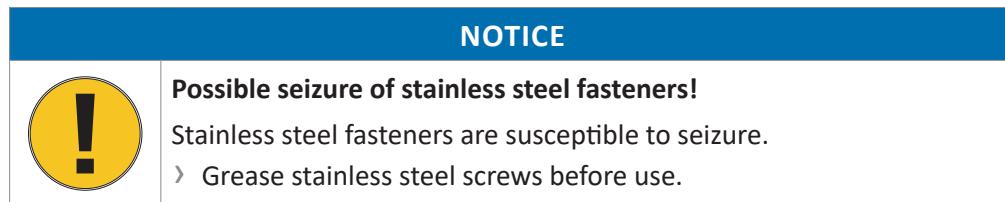
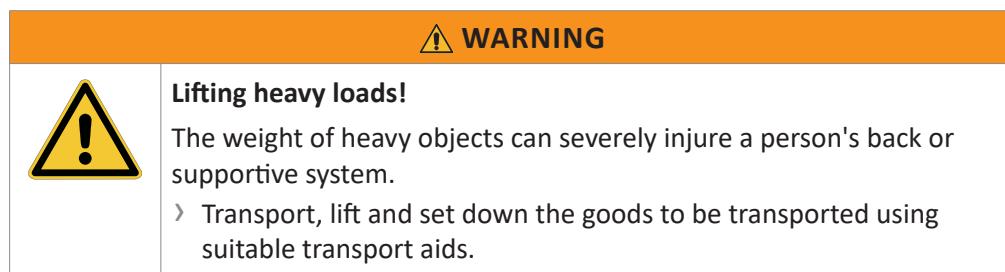
Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

⚠ WARNING	
	Improper attachment! Improper attachment can cause the pedestrian gate to tip over, resulting in crushing and serious injury. <ul style="list-style-type: none">› Mount the pedestrian gate in accordance with the description on the foundation.› Observe and follow separate notices and instructions provided by the manufacturer of the attachment material.› After mounting, check all screws and nuts for tightness.

⚠ WARNING	
	Improper mounting on flammable ground! The mounting of the pedestrian gate on a flammable floor can promote the development of a fire and accelerate the spread of the fire. A fire and the resulting smoke can cause life-threatening injuries. <ul style="list-style-type: none">› Only mount the pedestrian gate on a non-flammable floor.



7.2 Mounting options and notices, attachment material

7.2.1 Overview

You may mount the MPG pedestrian gate as follows:

- › Directly on the foundation
- › Via an optional base frame

7.2.2 Directly on the foundation

In this variant, mount the pedestrian gate on a foundation using foundation anchors.

If you choose this variant, we recommend the ARS alignment templates. The alignment templates specify the required drill hole distances.

More information: Planning documentation perimeter products

Attachment material

The attachment material for mounting the MPG pedestrian gate directly on a foundation is included in the scope of delivery.

7.2.3 Optional base frame

In this variant, mount the base frame on a foundation using foundation anchors. Install the MPG pedestrian gate on the base frame.



IMPORTANT!

We recommend this variant because the mounting distances are specified by the base frame. This variant must be chosen for use on interlocking stone paving and cobblestones.

Attachment material

The attachment material for mounting the pedestrian gate on a base frame is included in the scope of delivery.

The attachment material for the base frame is included in the scope of delivery of the base frame. The base frame must be ordered separately.

More information: Planning documentation perimeter products

7.3 Required steps

The following work steps must be carried out before mounting:

- › Specify the mounting position. ↗ Page 47, chapter 7.4.
- › Set up foundation and placing empty conduits. ↗ Page 47, chapter 7.5.
- › Set sleeves with inner thread. ↗ Page 55, chapter 7.6.

The following work steps must be performed during mounting:

- › Unpack the pedestrian gate. ↗ Page 41, chapter 6.1.
- › Mount the pedestrian gate.
 - › MPG-362: ↗ Page 56, chapter 7.7.
 - › MPG-372: ↗ Page 62, chapter 7.8.
 - › Mounting the turn wing (MPG-362 / MPG-372): ↗ Page 70, chapter 7.9.
- › MPG-372: Mount optional mounting pillar for access-control devices.
↗ Page 80, chapter 8.
- › Connect the pedestrian gate electrically. ↗ Page 88, chapter 9.
- › Mount and connect access-control devices. ↗ Page 96, chapter 9.8.

7.4 Specifying the mounting position

The service door in the support beam should point towards the zone controlled.

↗ Page 36, chapter 4.4.

7.5 Building the foundation and laying empty conduits

7.5.1 Foundation requirements

The foundation must meet the following requirements:

- › Have sufficient load-carrying capacity
- › Concrete C20/25 or corresponding industrial floor
- › Fastening must have a secure grip
- › Foundation cross section according to foundation and empty conduit plan,
- › Non-slip surface
- › Horizontal and level.

Foundation and empty conduit plans:

- › MPG-362 without handrail: ↗ Page 51, chapter 7.5.4
- › MPG-362 with handrail: ↗ Page 52, chapter 7.5.5
- › MPG-372 without handrail: ↗ Page 53, chapter 7.5.6
- › MPG-372 with handrail: ↗ Page 54, chapter 7.5.7

When installing outdoors, the foundation must meet the following additional requirements:

- › Concrete C35/45 XD 3 XF2 with reinforcement
- › Foundation depth: at least 800 mm, frost-proof. Adjust the foundation depth to the local conditions.

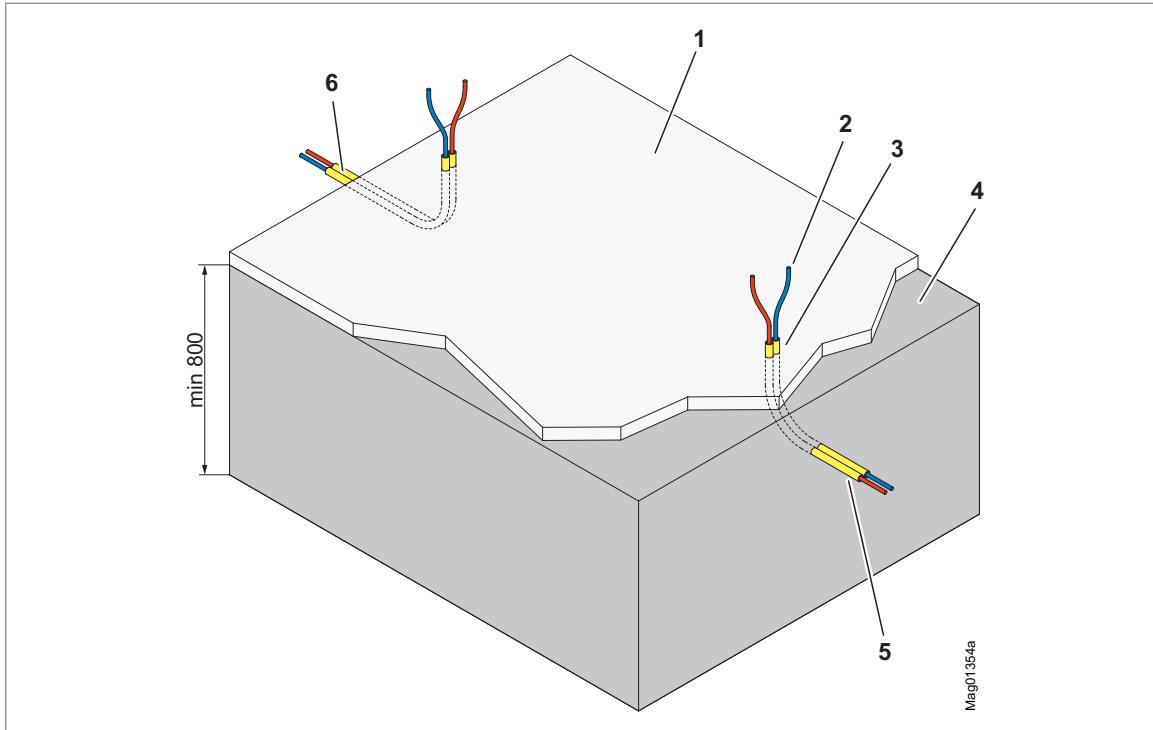
Mounting**Example for MPG-362 / MPG-372 without handrail**

Fig. 24: Example of foundation design with empty conduits for MPG-362 / MPG-372 without handrails (size in mm)

- 1 Finished covering / smooth coating level and horizontal
- 2 Have lines overlapping for at least 5 m of the conduits.
- 3 Planned "Turn wing foot" position
- 4 Foundation C35/45 XD3 XF2 with reinforcement, foundation depth: at least 800 mm, frost-proof
- 5 Lay empty conduits separately for mains cable and control lines. Leave empty conduits 50 mm above the foundation. See the corresponding foundation and empty conduit plan for possible positions of empty conduits.
- 6 MPB-372 only: Alternative cable routing

Example for MPG-362 / MPG-372 with handrail

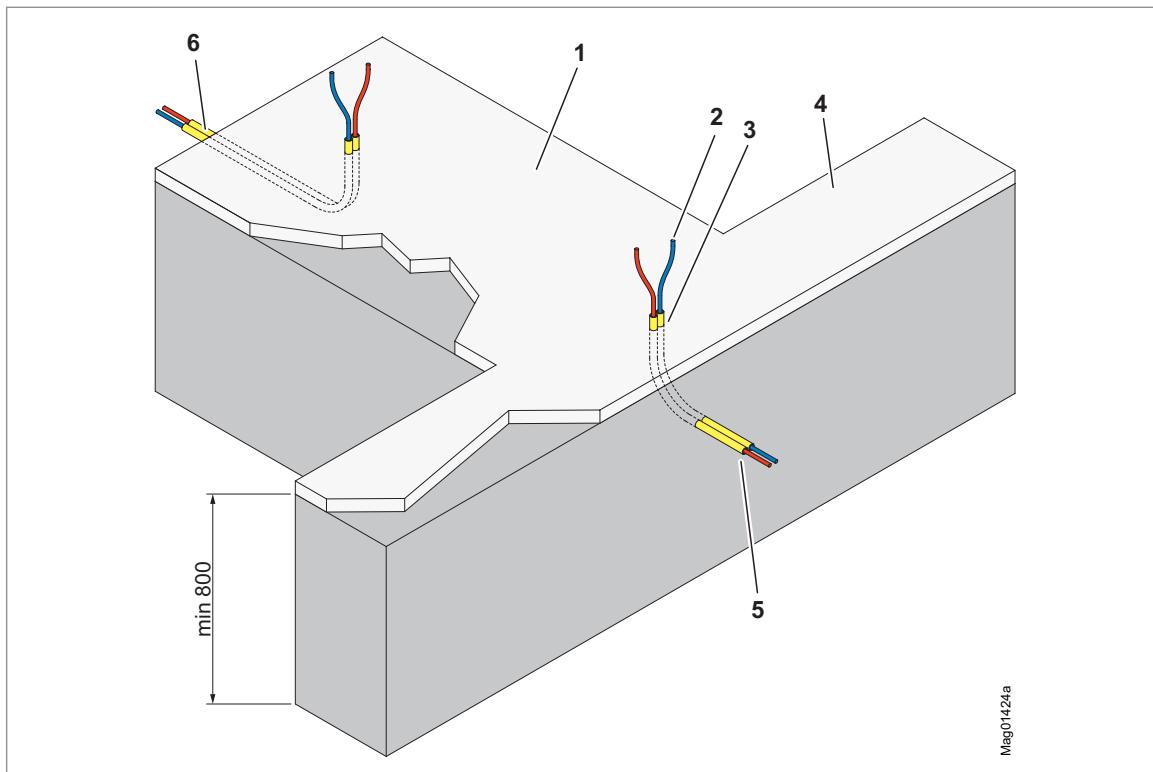


Fig. 25: Example of foundation design with empty conduits for MPG-362 / MPG-372 with handrails (size in mm)

- 1 Finished covering / smooth coating level and horizontal
- 2 Have lines overlapping for at least 5 m of the conduits
- 3 Planned "Turn wing foot" position
- 4 Foundation C35/45 XD3 XF2 with reinforcement, foundation depth: at least 800 mm, frost-proof
- 5 Lay empty conduits separately for mains cable and control lines. Leave empty conduits 50 mm above the foundation. See the corresponding foundation and empty conduit plan for possible positions of empty conduits.
- 6 MPB-372 only: Alternative cable routing

7.5.2 Empty conduits requirements

Note the following points for the empty conduits:

- › Lay empty conduits according to the foundation plan.
- › Conduits have to be planned to a sufficient length.
- › Plan the empty conduits required for access control-devices and other peripheral equipment. The wiring for this is the responsibility of the customer.



IMPORTANT!

To warrant trouble-free operation, individual empty conduits must be installed for all mains cables and control lines.

Foundation and empty conduit plans:

- › MPG-362 without handrail: ↗ Page 51, chapter 7.5.4
- › MPG-362 with handrail: ↗ Page 52, chapter 7.5.5
- › MPG-372 without handrail: ↗ Page 53, chapter 7.5.6
- › MPG-372 with handrail: ↗ Page 54, chapter 7.5.7

7.5.3 Building the foundation and laying empty conduits

1. Excavate the foundation hole according to the foundation and empty conduit plan.
2. Place empty conduits according to the foundation and empty conduit plan in the foundation hole.
3. Seal empty conduits so that no water can enter.
4. Concrete the foundation.
5. Create a smooth plaster.
6. Let concrete cure.
7. Apply moisture protection for outdoor mounting.

Foundation and empty conduit plans:

- › MPG-362 without handrail: ↗ Page 51, chapter 7.5.4
- › MPG-362 with handrail: ↗ Page 52, chapter 7.5.5
- › MPG-372 without handrail: ↗ Page 53, chapter 7.5.6
- › MPG-372 with handrail: ↗ Page 54, chapter 7.5.7

7.5.4 Foundation and empty conduit plan MPG-362 without handrail

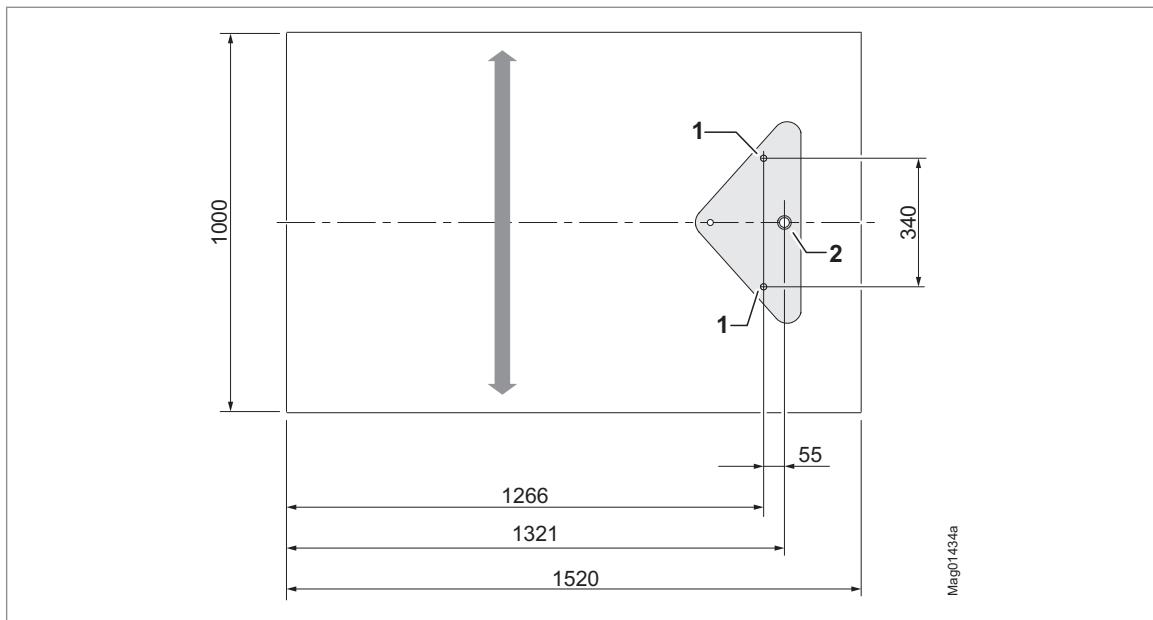


Fig. 26: Foundation and empty conduit plan MPG-362 without handrail for direct mounting on a foundation

- 1 Bores for sleeves with inner thread (2 pieces),
bores for sleeves with inner thread depending on make:
Upat UKA 3 M10: Drilling diameter 16 mm, drilling depth 90 mm;
Fischer RG 16 x 90 M10: Drilling diameter 18 mm, drilling depth 90 mm.
Follow separate instructions for sleeves with inner thread.
- 2 Possible position for empty conduits. Lay empty conduits separately for mains cable and control lines. Allow empty conduits to protrude approx. 50 mm above foundation and lines to protrude at least 5 m from the empty conduits.

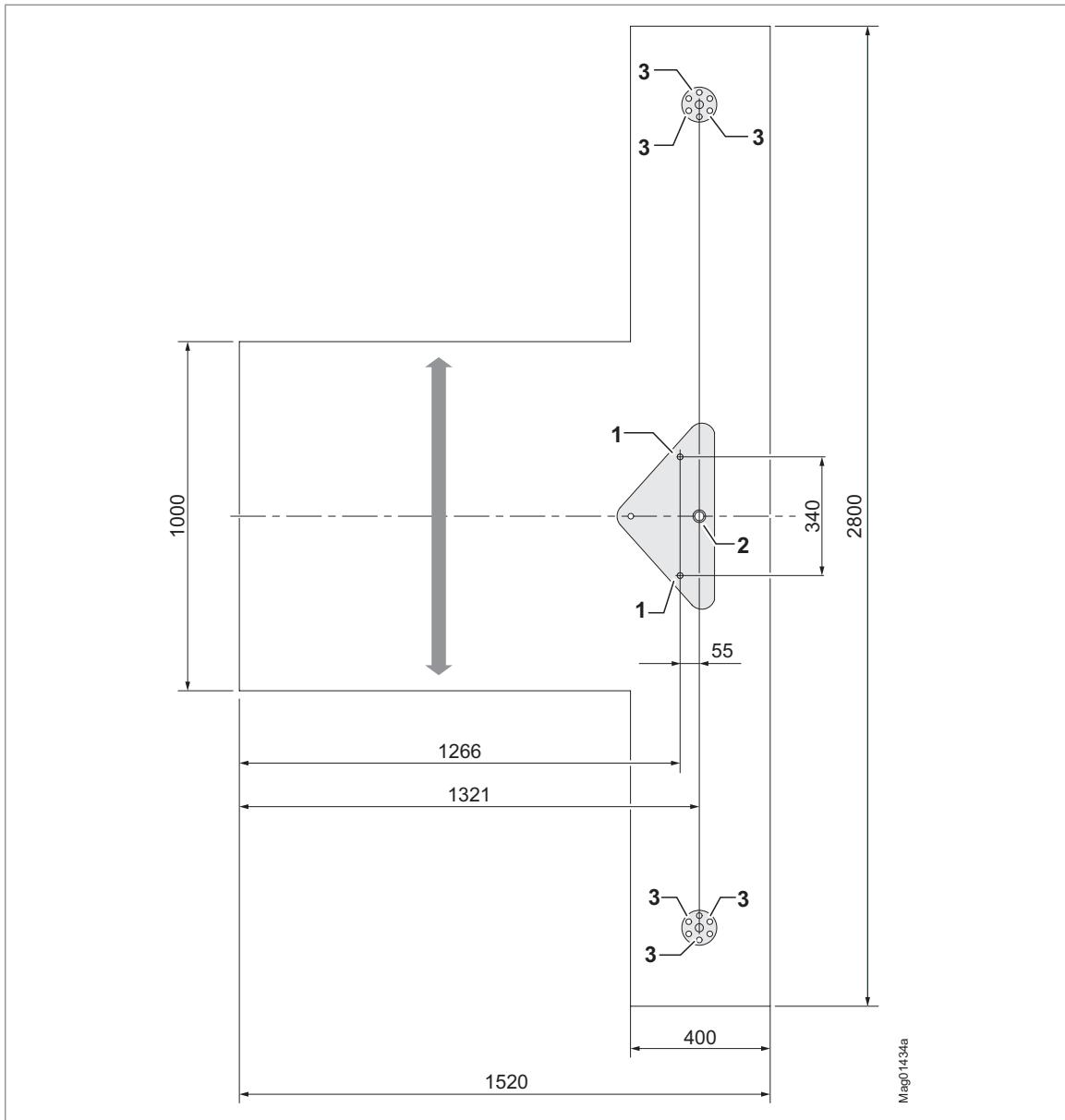
7.5.5 Foundation and empty conduit plan MPG-362 with handrail

Fig. 27: Foundation and empty conduit plan MPG-362 with handrail for direct mounting on a foundation

- 1 Bores for sleeves with inner thread (2 pieces),
bores for sleeves with inner thread depending on make:
Upat UKA 3 M10: Drilling diameter 16 mm, drilling depth 90 mm;
Fischer RG 16 x 90 M10: Drilling diameter 18 mm, drilling depth 90 mm.
Follow separate instructions for sleeves with inner thread.
- 2 Possible position for empty conduits. Lay empty conduits separately for mains cable and control lines. Allow empty conduits to protrude approx. 50 mm above foundation and lines to protrude at least 5 m from the empty conduits.
- 3 Same as pos. 1, but bores for the sleeves with inner thread of the handrail flanges (6 pieces),
Mark the bores with the foot and handrail unit. See the following note.

**IMPORTANT!**

The turn wing foot and both handrails are welded together. There are manufacturing tolerances due to the welding. We therefore recommend marking the bores for the handrail flanges directly with the foot and handrail unit. Three bores are required per handrail flange for direct mounting on a foundation.

7.5.6 Foundation and empty conduit plan MPG-372 without handrail

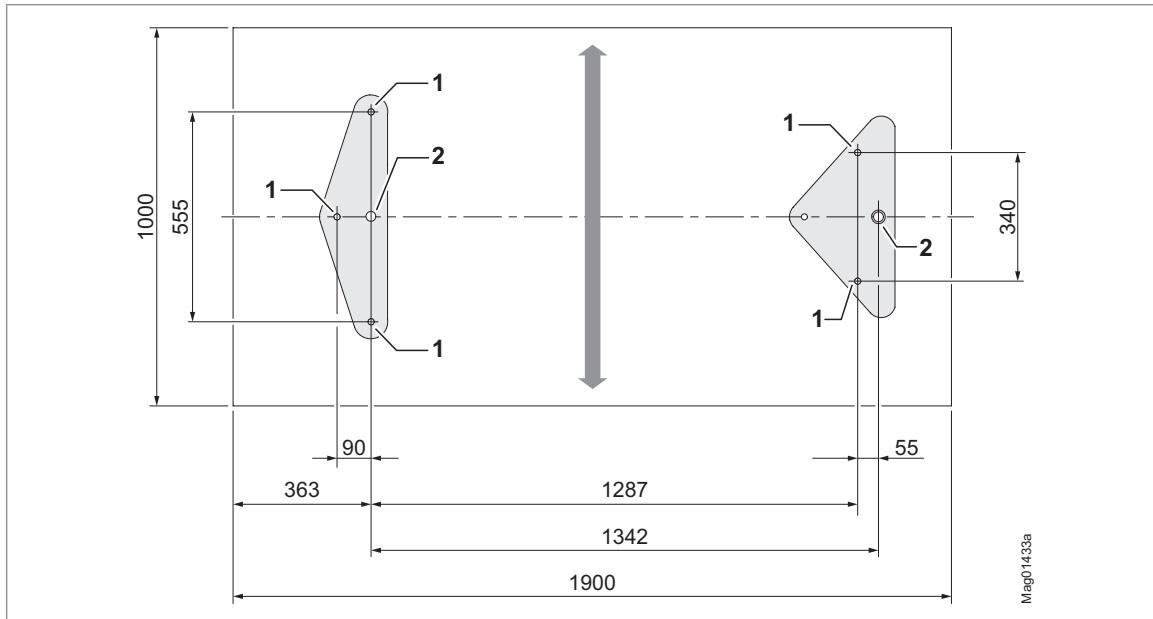


Fig. 28: Foundation and empty conduit plan MPG-372 without handrail for direct mounting on a foundation

- 1 Bores for sleeves with inner thread (5 pieces),
bores for sleeves with inner thread depending on make:
Upat UKA 3 M10: Drilling diameter 16 mm, drilling depth 90 mm;
Fischer RG 16 x 90 M10: Drilling diameter 18 mm, drilling depth 90 mm.
Follow separate instructions for sleeves with inner thread.
- 2 Possible position for empty conduits. Lay empty conduits separately for mains cable and control lines. Allow empty conduits to protrude approx. 50 mm above foundation and lines to protrude at least 5 m from the empty conduits.

7.5.7 Foundation and empty conduit plan MPG-372 with handrail

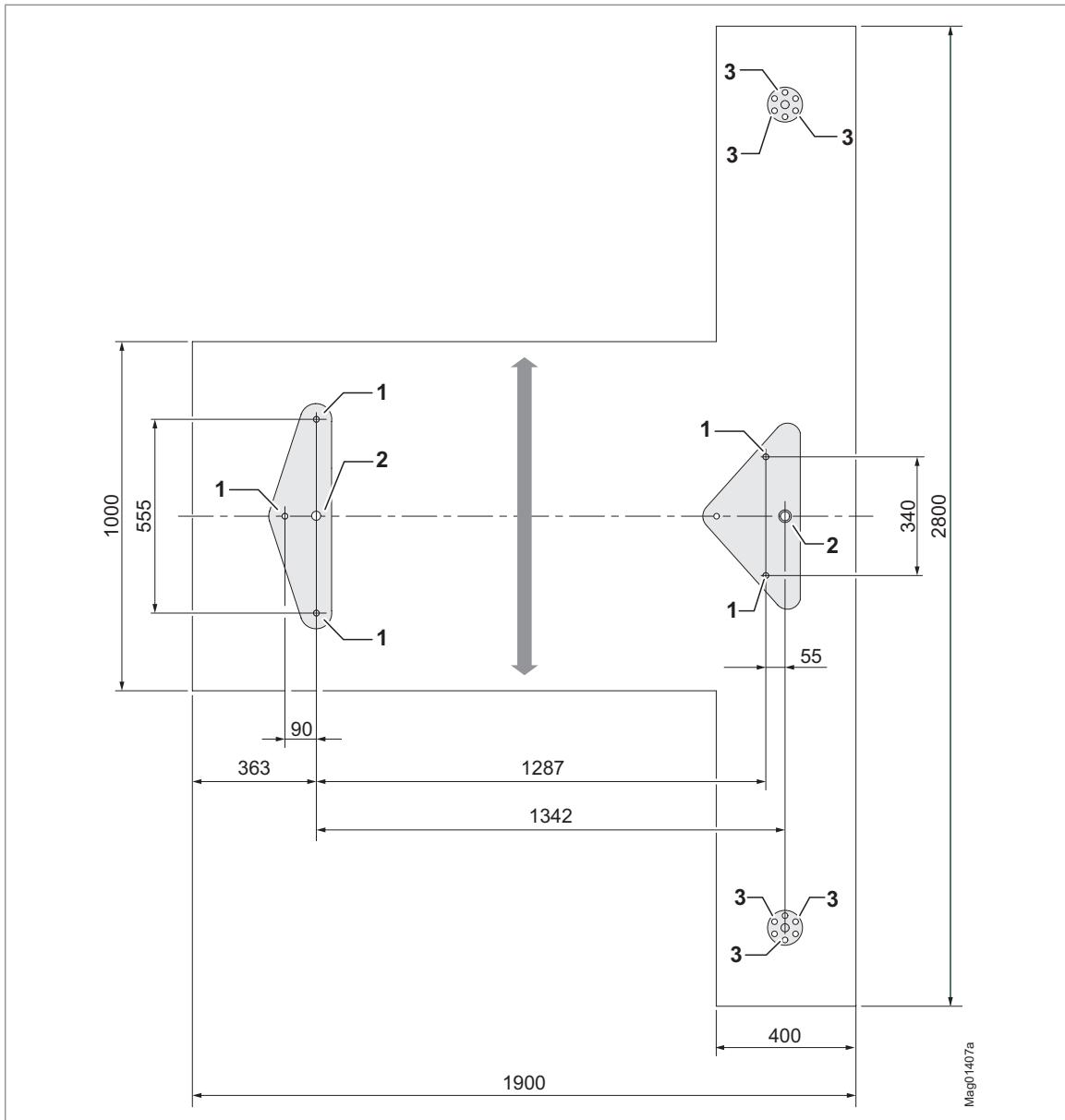


Fig. 29: Foundation and empty conduit plan MPG-372 with handrail for direct mounting on a foundation

- 1 Bores for sleeves with inner thread (5 pieces),
bores for sleeves with inner thread depending on make:
Upat UKA 3 M10: Drilling diameter 16 mm, drilling depth 90 mm;
Fischer RG 16 x 90 M10: Drilling diameter 18 mm, drilling depth 90 mm.
Follow separate instructions for sleeves with inner thread.
- 2 Possible position for empty conduits. Lay empty conduits separately for mains cable and control lines. Allow empty conduits to protrude approx. 50 mm above foundation and lines to protrude at least 5 m from the empty conduits.
- 3 Same as pos. 1, but bores for the sleeves with inner thread of the handrail flanges (6 pieces),
Mark the bores with the foot and handrail unit. See the following note.

**IMPORTANT!**

The turn wing foot and both handrails are welded together. There are manufacturing tolerances due to the welding. We therefore recommend marking the bores for the handrail flanges directly with the foot and handrail unit. Three bores are required per handrail flange for direct mounting on a foundation.

7.6 Preliminary work for mounting directly on a foundation

Requirements

- › The conduits have been placed.
- › The foundation has cured.

**IMPORTANT!**

Observe the separate instructions as well as the packaging inscriptions for the attachment material.

1. Mark holes for sleeve with inner thread.
2. Drill the boreholes for the sleeves with inner thread according to the foundation plan.
 - › MPG-362 without handrail: ↗ Page 51, chapter 7.5.4
 - › MPG-362 with handrail: ↗ Page 52, chapter 7.5.5
 - › MPG-372 without handrail: ↗ Page 53, chapter 7.5.6
 - › MPG-372 with handrail: ↗ Page 54, chapter 7.5.7
3. Clean the boreholes with compressed air.
4. Inject injection mortar into the boreholes.
5. Screw in the sleeve with inner thread by hand until the upper edge of the sleeve with inner thread is flush with the upper edge of the foundation.
6. Wait for the curing time. Follow separate instructions.
- ✓ The preliminary work has been completed. You can mount the components of the pedestrian gate.

7.7 Mounting the MPG-362

The mounting of the pedestrian gate on a base frame and the mounting of the pedestrian gate directly on a foundation are identical in procedure. Only the attachment material is partly different. The following illustrations show the installation directly on a foundation.

The MPG-362 swing door is designed for attachment to another pedestrian gate such as the MPT turnstile.

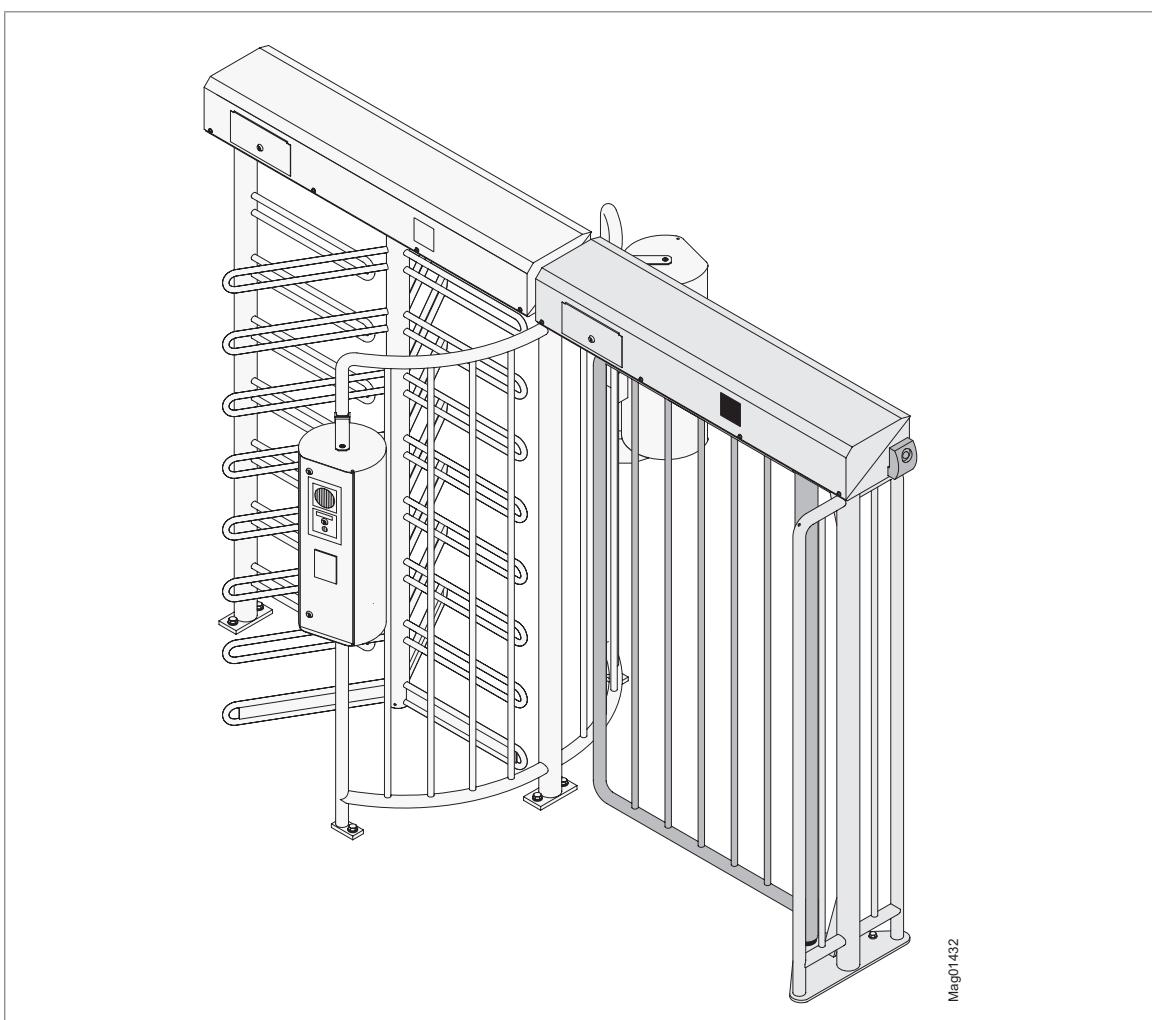
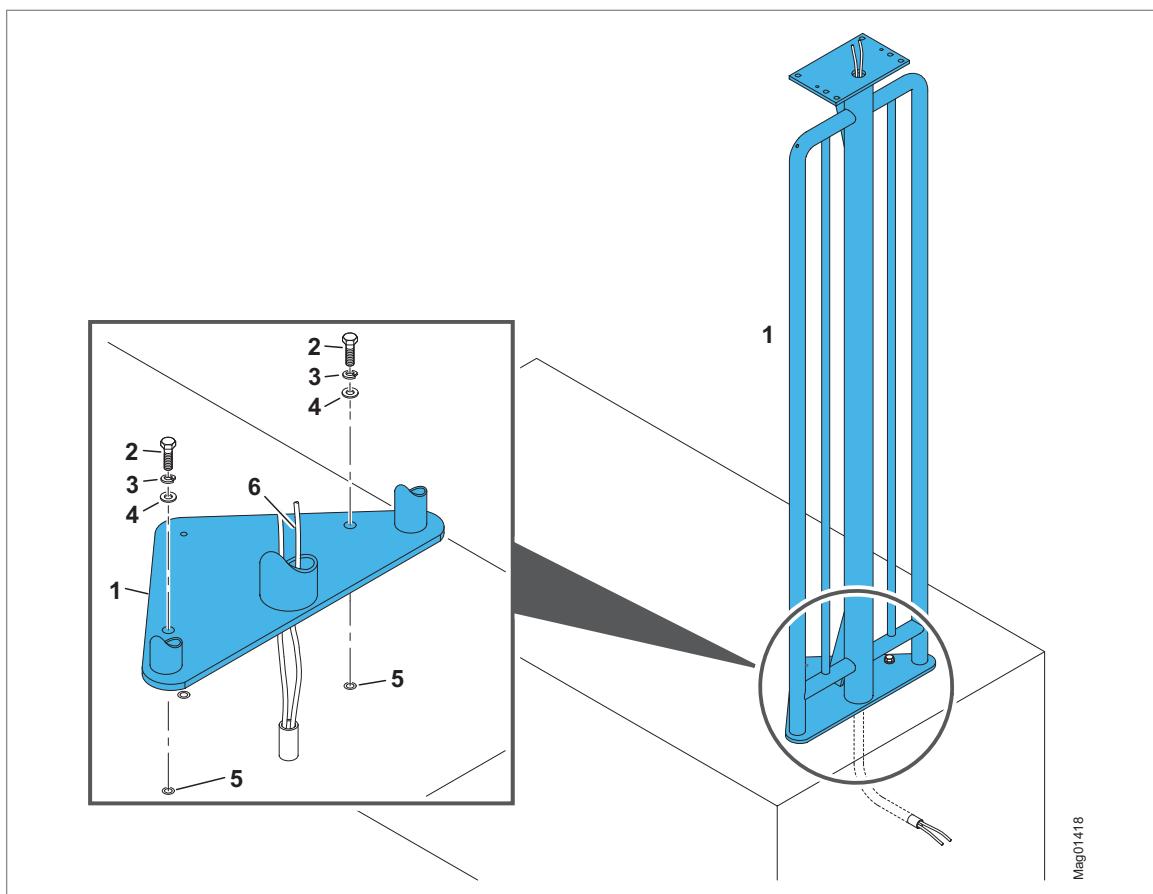


Fig. 30: Mounting example MPG-362 mounted on an MPT-x3x

7.7.1 Mounting the turn wing foot (MPG-362)

Variant "without handrail"

1. Pull the mains cable and control lines through foot. Alternatively, you can also route the lines later from the support beam of the MPT turnstile via the connection block into the support beam of the swing door [↗ Page 93, chapter 9.4](#).
2. Mount turn wing foot.



Mounting

Variant "with handrail"

1. Pull the mains cable and control lines through foot. Alternatively, you can also route the lines later from the support beam of the MPT turnstile via the connection block into the support beam of the swing door [↗ Page 93, chapter 9.4.](#)
2. Mount turn wing foot. For the handrail supports, the delivery includes screws in two different lengths. For direct mounting on a foundation, you only need the longer screws. When mounting on a base frame, mount all 6 screws alternately. There must be a long screw between two short screws.

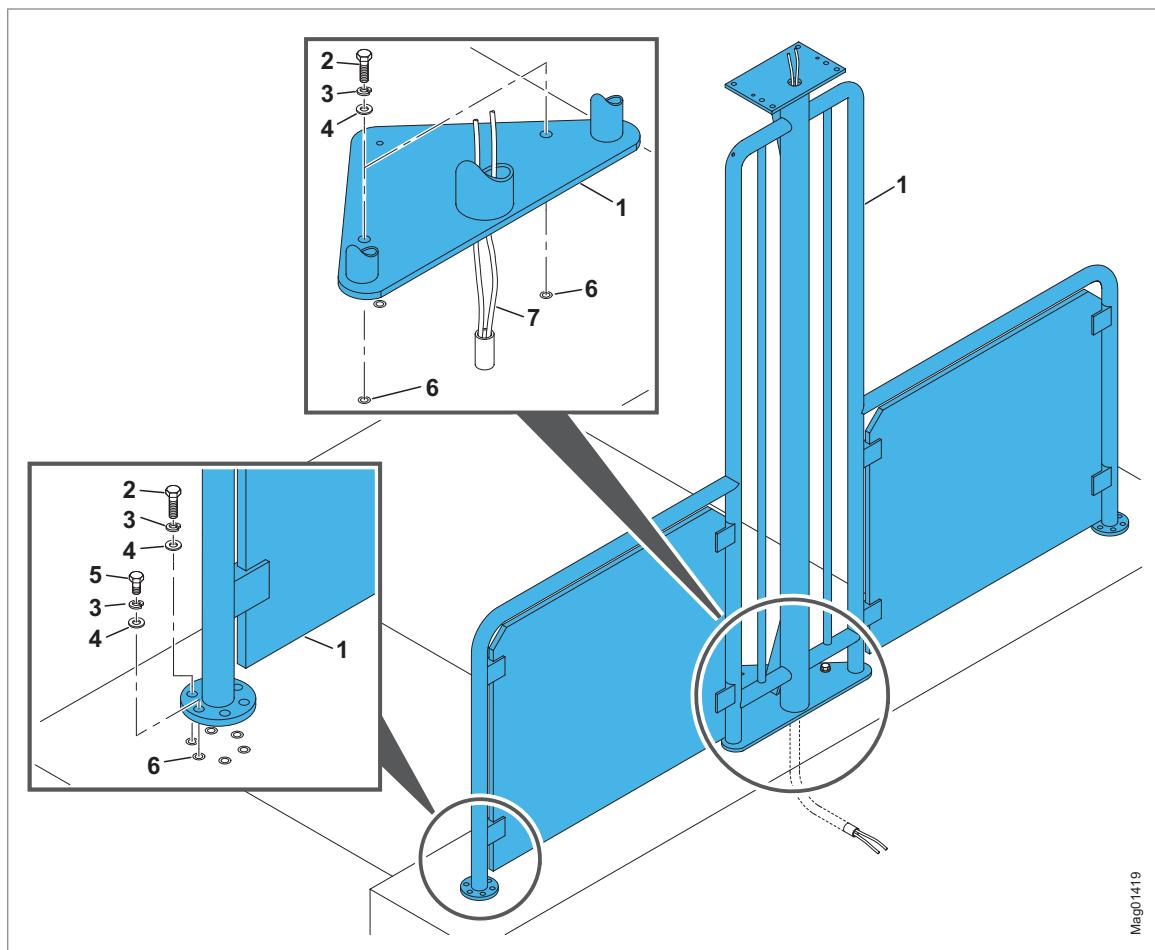


Fig. 32: Mounting the turn wing foot – with handrail

- 1 Mounting turn wing foot with handrail
- 2 Hexagon head screw M10 x 35
- 3 Spring washer
- 4 Washer D10.5
- 5 Hexagon head screw M10 x 22 (only required for mounting on base frame)
- 6 Bore with sleeve with inner thread
- 7 Mains cable and control lines (alternative)

7.7.2 Mounting the support beam and connection block (MPG-362)

⚠ WARNING



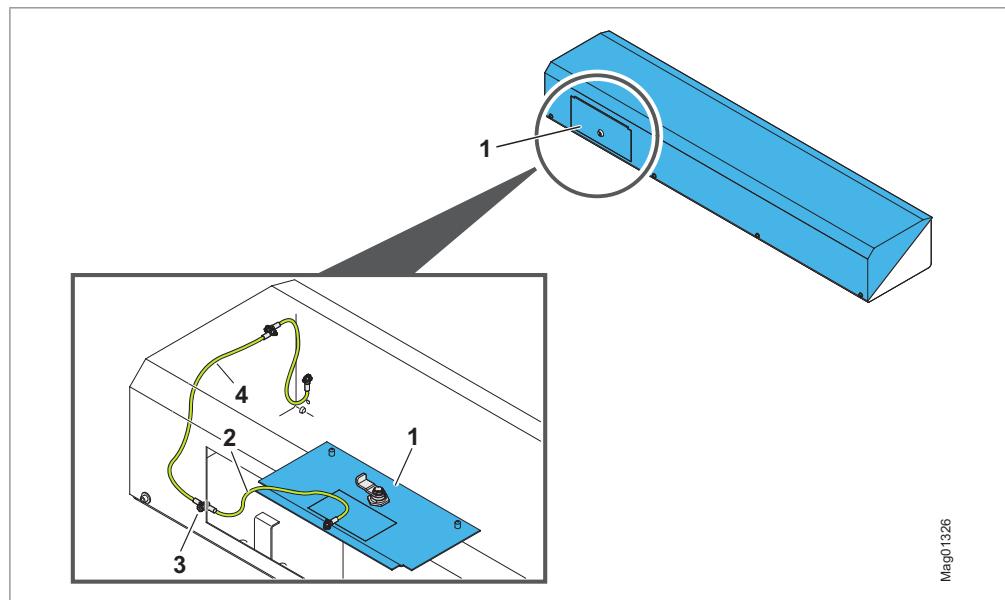
Falling support beam!

Up until the support beam is firmly mounted on both sides, the support beam can fall down and cause life-threatening injuries.

- › The support beam must be secured against falling during the entire mounting process using a forklift truck and screw clamps.
- › The aids may only be removed once the support beam has been firmly mounted on both sides.

The support beam is delivered with the cover closed. The service door and the cover must be removed and the protective earth conductors for the service door and for the cover must be disconnected for mounting.

1. Open the service door with the supplied key.
2. Disconnect the protective earth conductor for the service door at the earthing point for the cover.
3. Put the service door aside.
4. Disconnect the protective earth conductor for the cover at the earthing point for the cover.



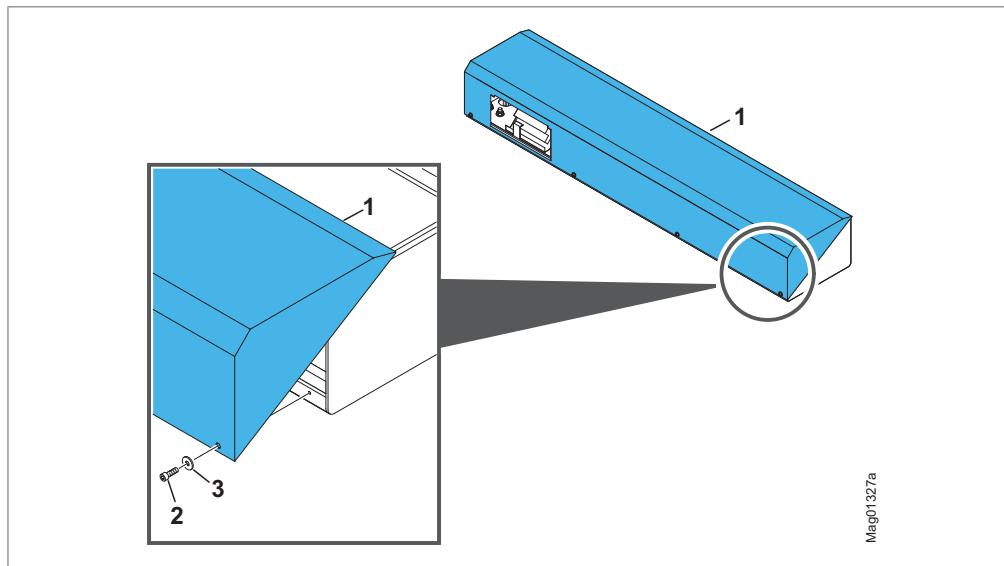
Mag01326

Fig. 33: Disconnect the protective earth conductor from the service door and cover (exemplary representation)

- 1 Service door
- 2 Protective earth conductor for service door
- 3 Hood earthing point
- 4 Protective earth conductor for cover

Mounting

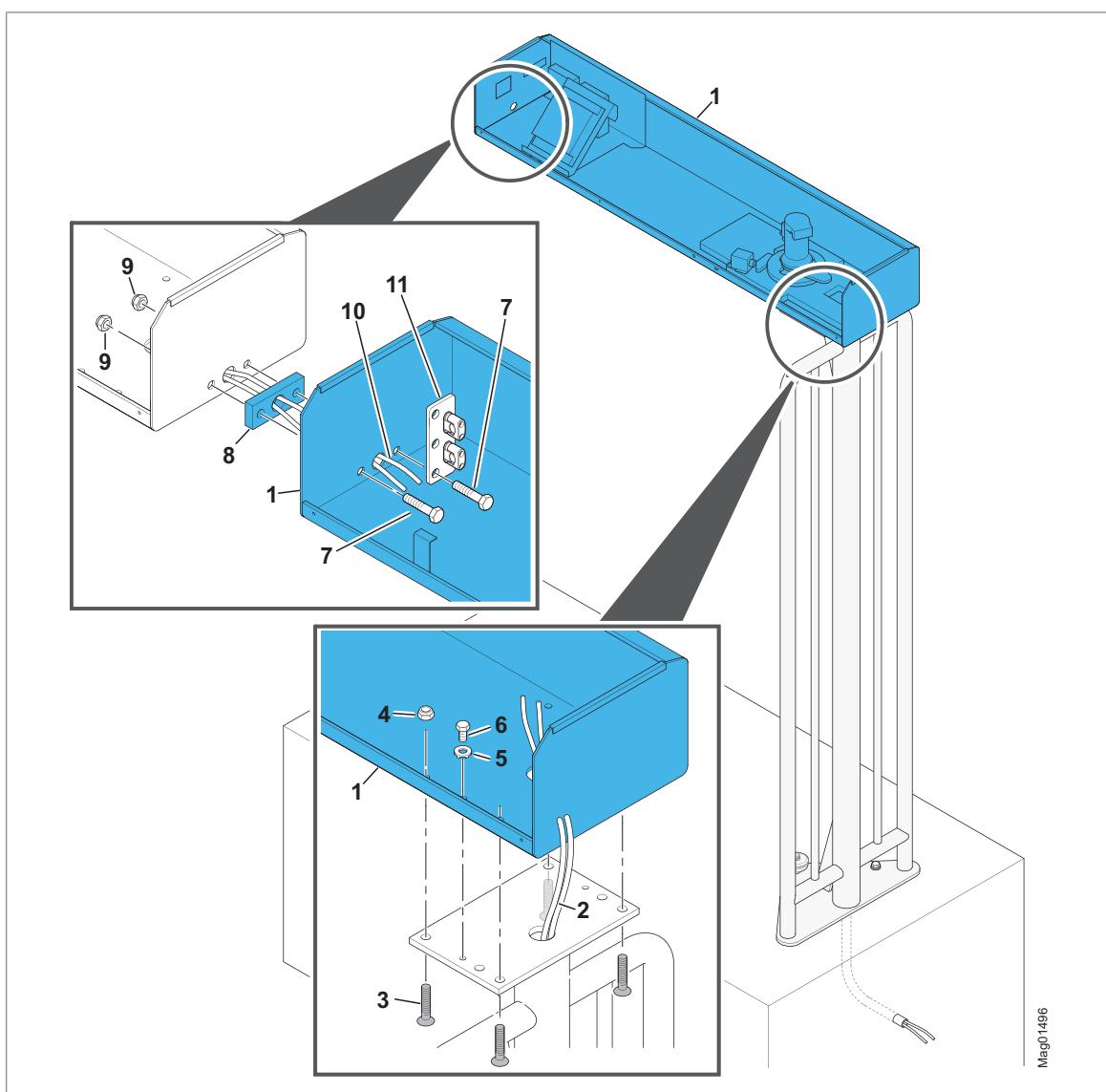
5. Loosen the screw of the cover.
6. Pull the cover to the front and remove it.



7. Prepare the support beams for assembly. For example, place support beams on the forks of a forklift truck. Secure the support beams against slipping, e.g., with screw clamps on the forks.

⚠ WARNING
Risk of injury from a falling support beam!

8. Place the support beam on the foot. If the lines are routed via the foot, pull the lines through the hole in the base of the support beam at the same time. Alternatively, the lines can also be routed from the support beam of the MPT turnstile.
9. Immediately secure the support beam using the countersunk screws supplied. Tighten the countersunk screws.
10. Ground the support beam using the contact disc and the hexagon head screws supplied.
11. Mount the connection block between the support beam of the pedestrian gates already mounted, e.g. MPT, and the support beam of the swing door MPG. Via the connection block, the tension relief for the MPG swing door is mounted as well.
12. If the lines are routed via the MPT turnstile, route the lines through the connection block into the support beam of the MPT turnstile.



- 1 Support beam
- 2 Mains cable and control line (lines are routed via the foot)
- 3 Countersunk screw (4 pcs)
- 4 M12 nut (4 pcs)
- 5 M10 contact disc for earthing the support beam
- 6 Hexagon head screw M10 x 20 for grounding the support beam
- 7 Hexagon head screws M12
- 8 Connection block
- 9 Nut M12
- 10 Mains cable and control lines (lines are routed via the support beam of the other pedestrian gates)
- 11 Tension relief for mains cable and control lines

7.8 Mounting the MPG-372

The mounting of the pedestrian gate on a base frame and the mounting of the pedestrian gate directly on a foundation are identical in procedure. Only the attachment material is partly different. The following illustrations show the installation directly on a foundation.

7.8.1 Mounting the foot (MPG-372)

1. Pull the mains cable and control lines through foot. Alternatively, you can also pull the cables through the turn wing foot.
2. Mount the foot.

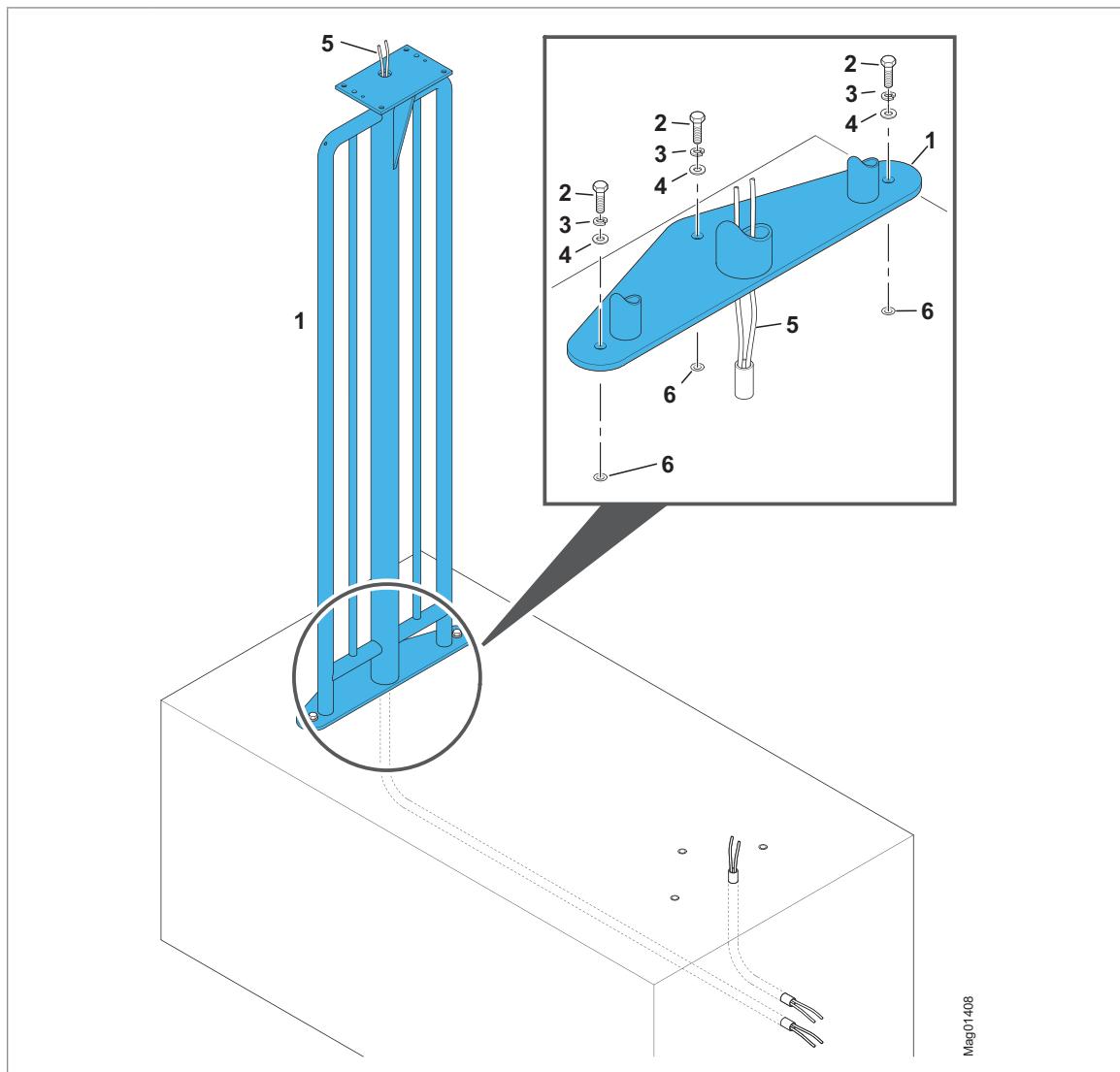


Fig. 36: Mounting the foot

- 1 Base
- 2 Hexagon head screw M10 x 35
- 3 Spring washer
- 4 Washer D10.5
- 5 Mains cable and control lines
- 6 Bore with sleeve with inner thread

Mounting

7.8.2 Mounting the turn wing foot (MPG-372)

Variant "without handrail"

1. If the mains cable and the control lines have not been routed through the already mounted foot, pull the lines through the turn wing foot.
2. Mount turn wing foot.

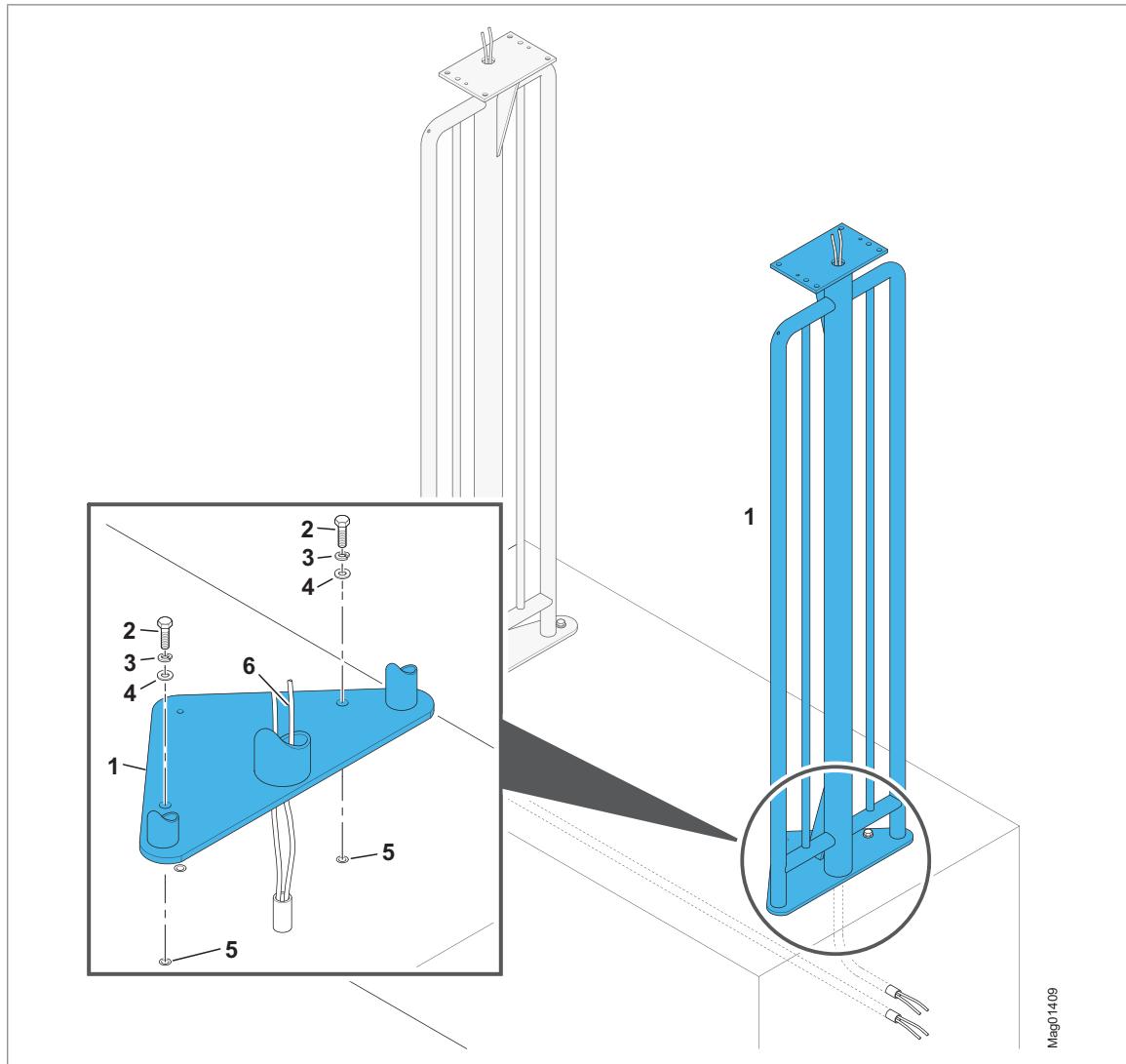


Fig. 37: Mounting the turn wing foot – without handrail

- 1 Base for revolving wing
- 2 Hexagon head screw M10 x 35
- 3 Spring washer
- 4 Washer D10.5
- 5 Bore with sleeve with inner thread
- 6 Mains cable and control lines (alternative cable routing)

Variant "with handrail"

1. If the mains cable and the control lines have not been routed through the already mounted foot, pull the lines through the turn wing foot.
2. Mount turn wing foot. For the handrail supports, the delivery includes screws in two different lengths. For direct mounting on a foundation, you only need the longer screws. When mounting on a base frame, mount all 6 screws alternately. There must be a long screw between two short screws.

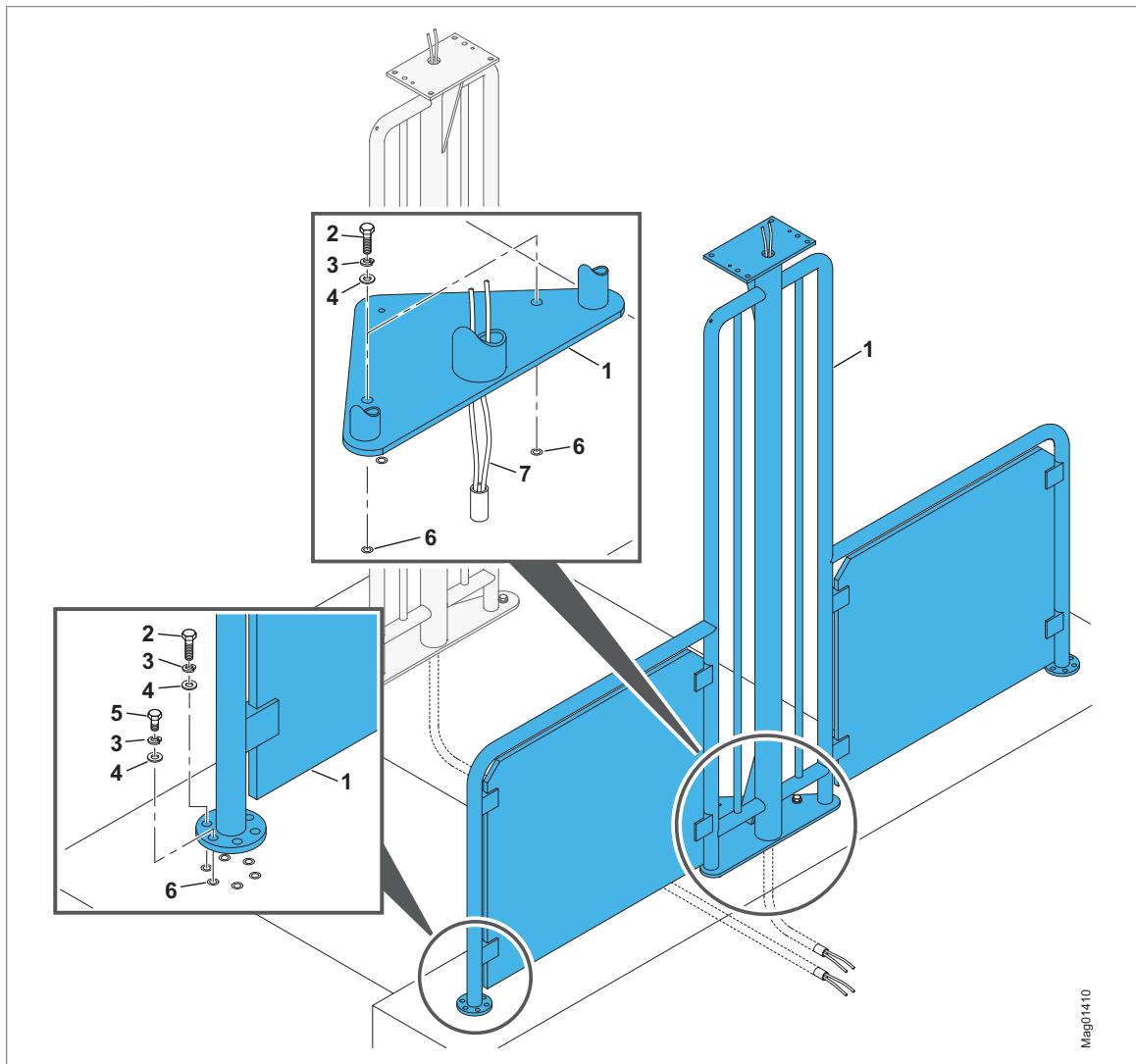


Fig. 38: Mounting the turn wing foot – with handrail

- 1 Mounting turn wing foot with handrail
- 2 Hexagon head screw M10 x 35
- 3 Spring washer
- 4 Washer D10.5
- 5 Hexagon head screw M10 x 22 (only required for mounting on base frame)
- 6 Bore with sleeve with inner thread
- 7 Mains cable and control lines (alternative cable routing)

7.8.3 Mounting the support beam (MPG-372)

The support beam is delivered with the cover closed. The service door and the cover must be removed and the protective earth conductors for the service door and for the cover must be disconnected for mounting.

1. Open the service door with the supplied key.
2. Disconnect the protective earth conductor for the service door at the earthing point for the cover.
3. Put the service door aside.
4. Disconnect the protective earth conductor for the cover at the earthing point for the cover.

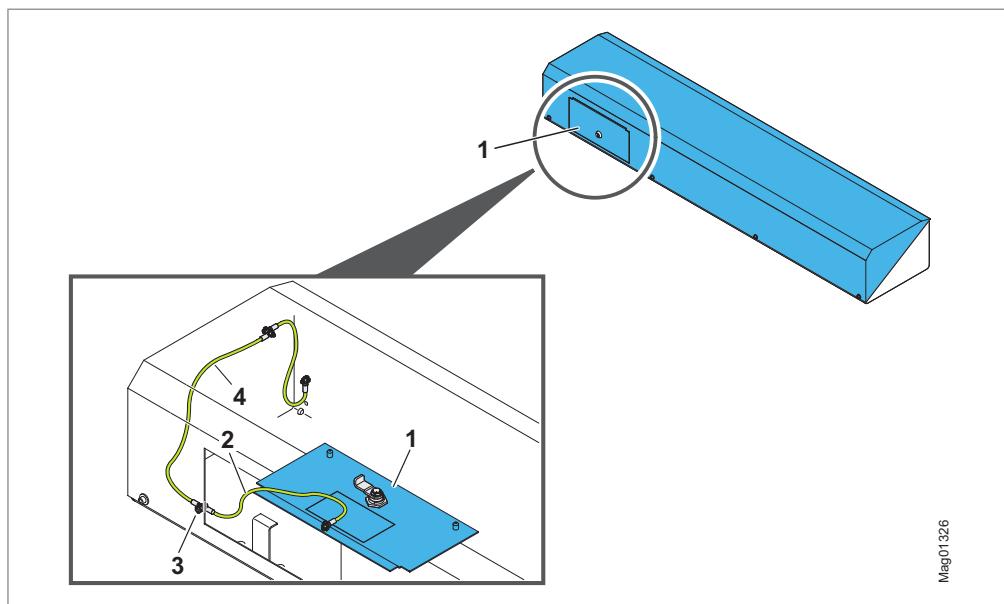


Fig. 39: Disconnect the protective earth conductor from the service door and cover (exemplary representation)

- 1 Service door
- 2 Protective earth conductor for service door
- 3 Hood earthing point
- 4 Protective earth conductor for cover

5. Loosen the screw of the cover.
6. Pull the cover to the front and remove it.

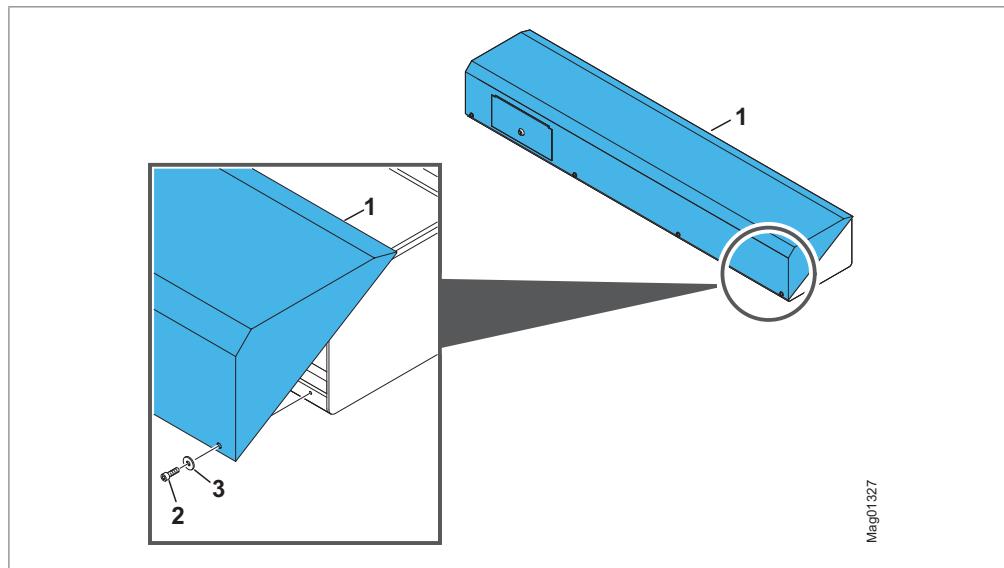


Fig. 40: Opening the cover

- 1 Cover
- 2 Screw
- 3 Washer

7. Removing the control unit

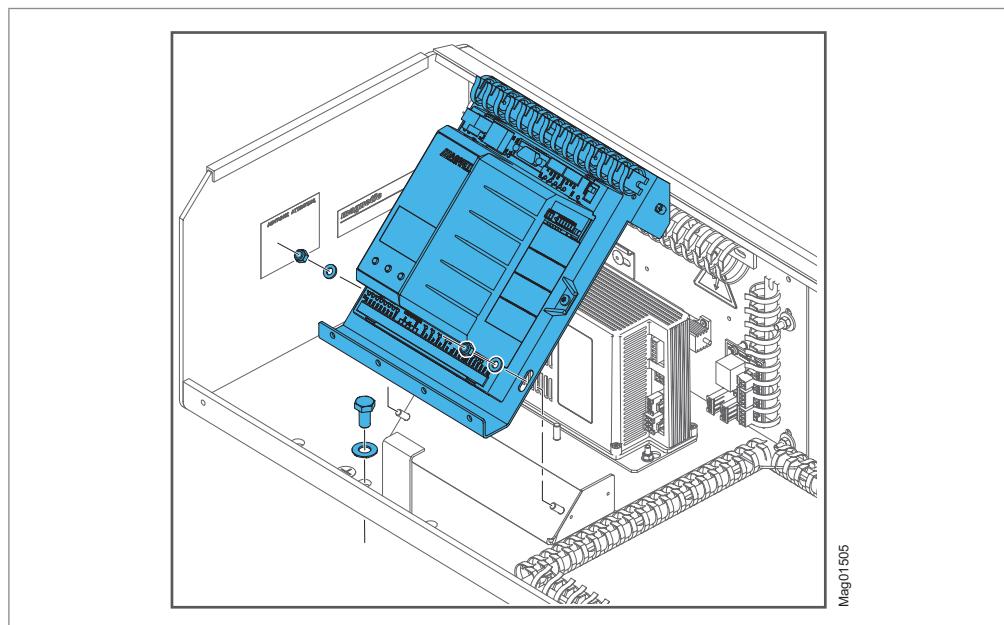


Fig. 41: Removing the control unit

Mounting

8. Loosen the 4 screws of the mounting panel, if necessary.

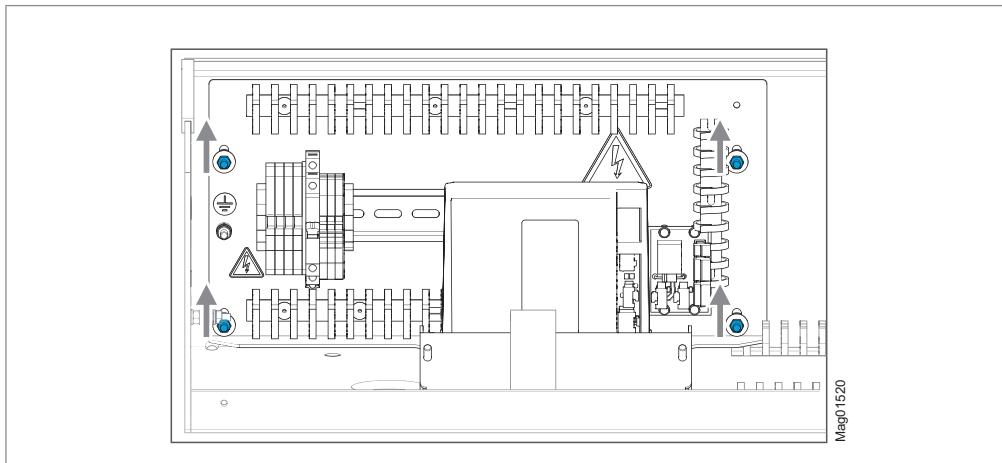


Fig. 42: Mounting panel screws

9. Prepare the support beams for assembly. For example, place support beams on the forks of a forklift truck. Secure the support beams against slipping, e.g., with screw clamps on the forks.
⚠ WARNING
Risk of injury from a falling support beam!
10. Place the support beam on both feet. At the same time, pull the lines through the bores in the bottom of the support beam.
11. Immediately secure the support beam using the countersunk screws supplied. Tighten the countersunk screws.
12. Ground the support beam on both sides using the contact disc and the hexagon head screws supplied.
13. Mount the tension relief on the support beam.

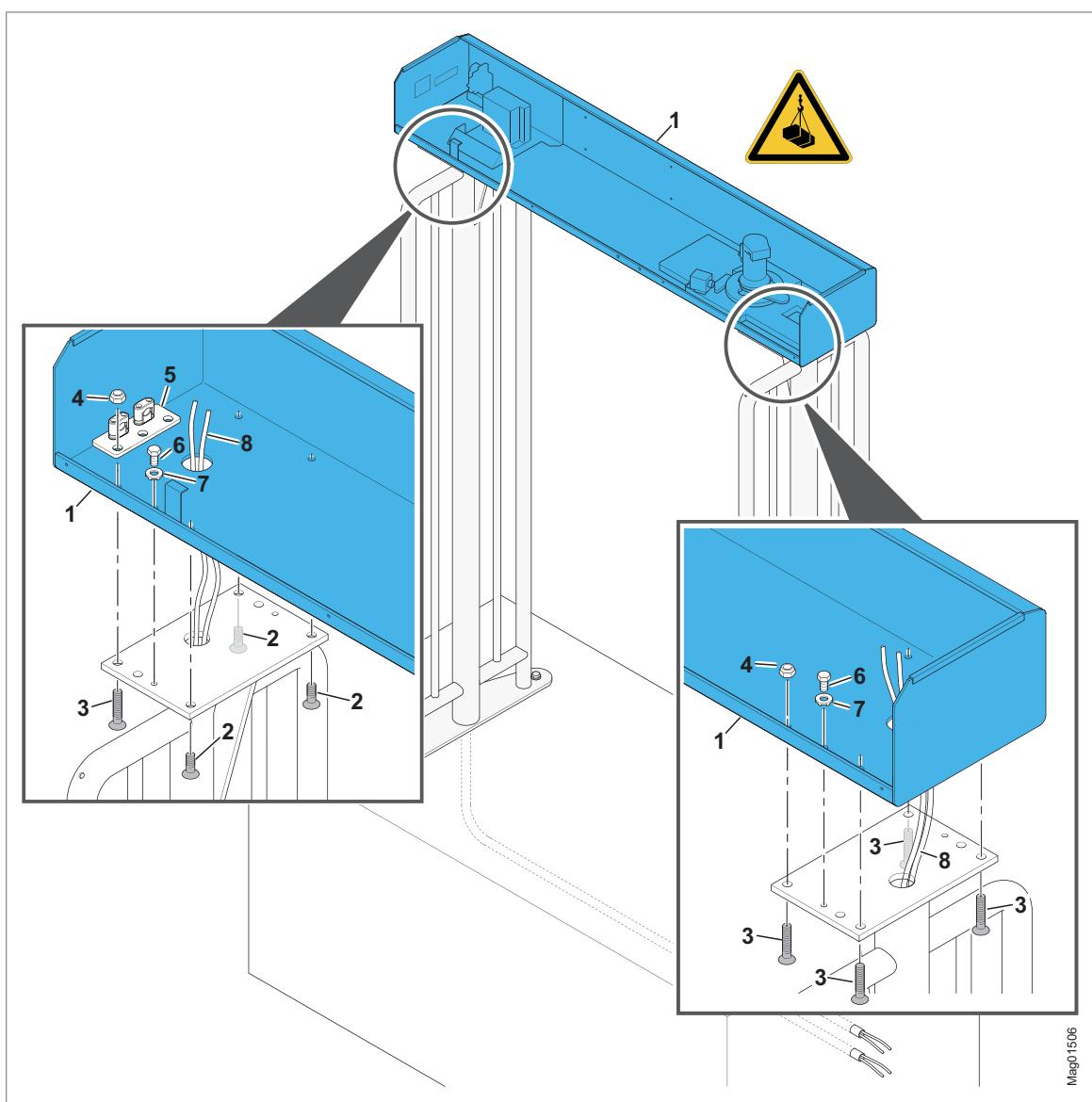


Fig. 43: Setting up, grounding and installing the support beam

- 1 Support beam
- 2 Countersunk screw M12x20 (3 pcs)
- 3 Countersunk screw M12x35 (5 pcs)
- 4 M12 nut (5 pcs)
- 5 Tension relief for mains cable and control lines
- 6 Hexagon head screw M10 x 20 for grounding the support beam
- 7 M10 contact disc for earthing the support beam
- 8 Mains cable and control lines

14. Tighten the mounting panel screws.
15. Install the control unit.

Mounting

7.9 Mounting the turn wing (MPG-362 / MPG-372)

7.9.1 Mounting the floor bearing and turn wing – without Magnetic mounting wrench



IMPORTANT!

This chapter describes how to mount the turn wing to the drive unit without the optional Magnetic mounting wrench MONWE100.

Mounting the turn wing using the Magnetic mounting wrench:

↗ Page 77, chapter 7.9.2

Dismounting the motor

This step is not required with the optional Magnetic mounting wrench MONWE100.↗ Page 77, chapter 7.9.2

1. Loosen the M12 locking nut while simultaneously holding the spacer bolt with an open-face wrench.
2. Loosen the screw (TX30).

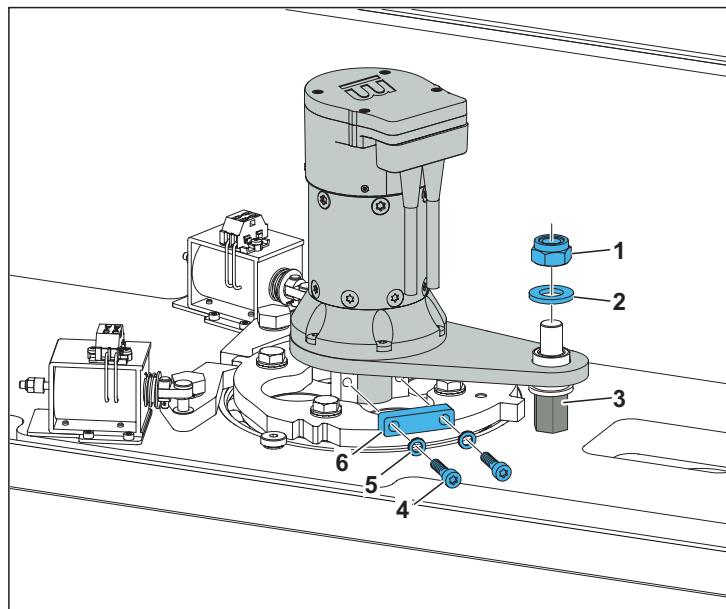


Fig. 44: Dismounting the motor – MPG-3x2

- 1 Locking nut M12
- 2 Disc d13
- 3 Spacer bolt
- 4 Screw ISO14579 M6x25 A2 TX30 (Torx)
- 5 Wedge securing disc d6.5x10.8
- 6 Clamping plate

Mounting the floor bearing

1. Mount the sleeve and washer with a hexagon head screw.
2. Slide the plastic bearing over the sleeve, washer, and hexagon head screw. The conical side of the plastic bearing must point downwards.

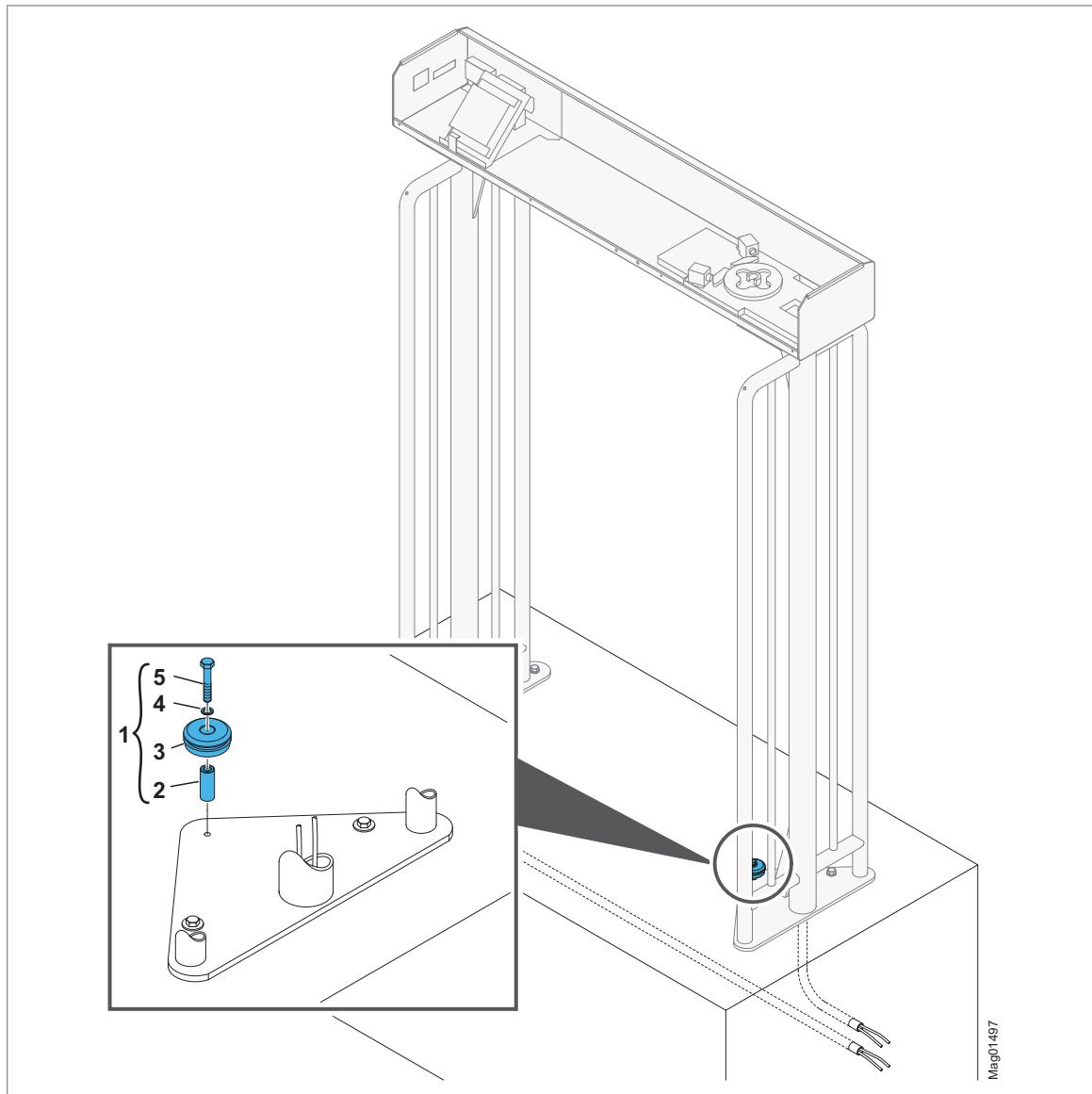


Fig. 45: Mounting the floor bearing, shown here as an example for MPG-372

- 1 Floor bearing
- 2 Sleeve
- 3 Plastic bearing
- 4 Washer
- 5 Hexagon head screw

Mounting

Mounting the turn wing

1. Attach revolving wing to the floor bearing.

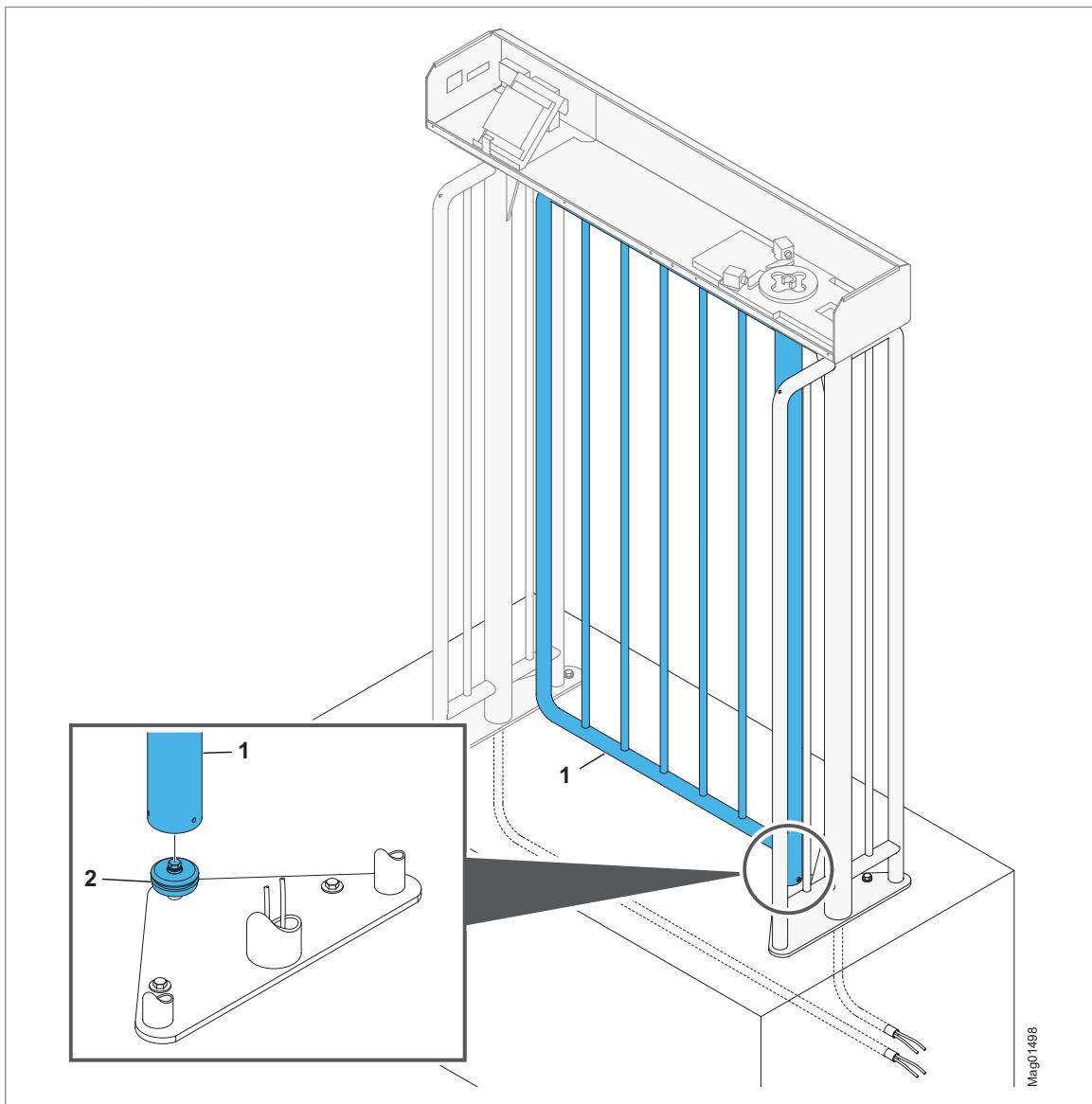


Fig. 46: Placing the turn wing on the floor bearing, shown here as an example for MPG-372

- 1 Revolving wing
- 2 Floor bearing

2. Check whether the large cam of the locking disc is correctly aligned. The large cam must point towards the spacer bolt.

3. Fix the turn wing to the drive flange from above using the four wedge securing discs and screws supplied.
 - › Secure screws with threadlocker such as Loctite 241.
 - › Screw in the first screw with the wedge securing disc. Lift the turn wing up to the drive flange.
 - › Screw in all other screws with wedge securing discs.
 - › When all four screws are in place, tighten all screws.
Tightening torque: 121 Nm

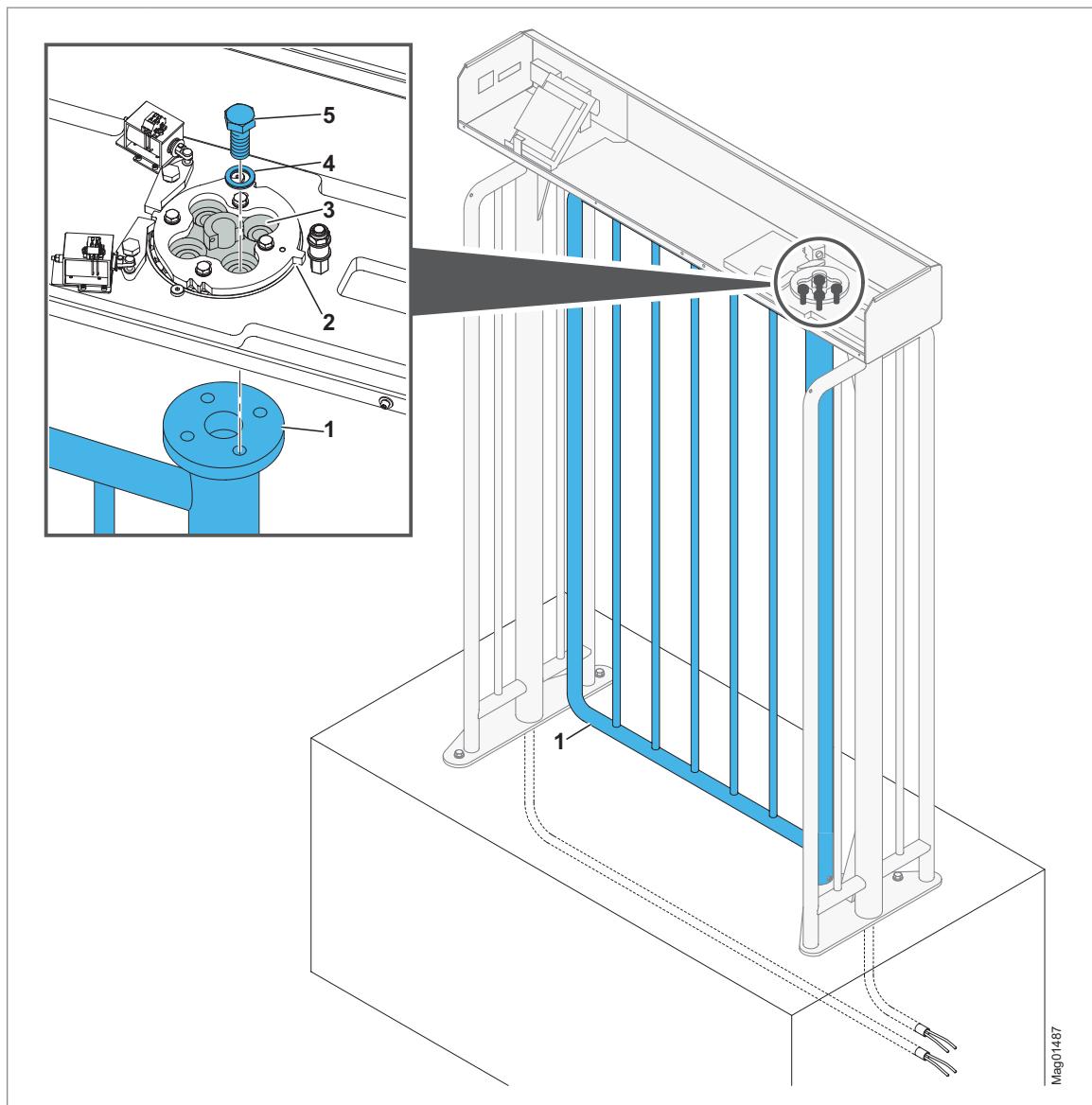


Fig. 47: Mounting the turn wing on the drive flange, here MPG-372

- 1 Revolving wing
- 2 Large locking disc cam
- 3 Drive flange
- 4 Wedge securing discs
- 5 Securing screw M16 with threadlocker such as Loctite 241

Mounting

Fixing the revolving wing to the floor bearing

1. Push the plastic bearing from below into the turn wing until the plastic bearing is flush with the turn wing.
2. Mount all 3 threaded pins as follows:
 - › Secure threaded pin with threadlocker such as Loctite 241.
 - › Screw in the threaded pin as far as it will go.
 - › Unscrew the threaded pin by half a turn.

The turn wing must be easily rotatable in both rotating directions.

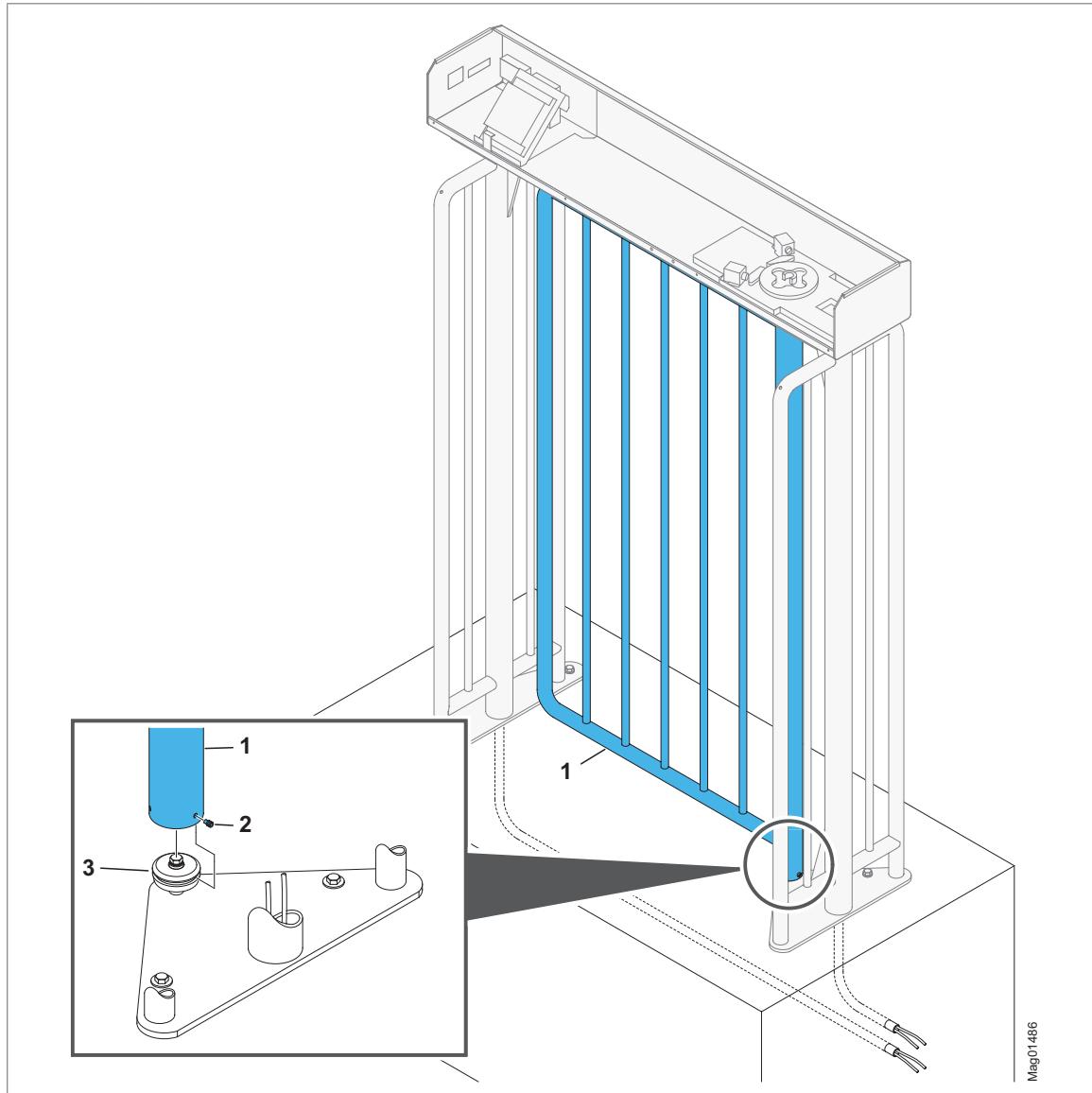


Fig. 48: Fixing the turn wing on the floor bearing, shown here as an example for MPG-372

- 1 Revolving wing
- 2 Securing threaded pin (3 pcs.) with threadlocker such as Loctite 241
- 3 Floor bearing

Mounting the motor

This step is not required with the optional Magnetic mounting wrench MONWE100. ↗ Page 77, chapter 7.9.2

1. Tighten the screws (TX30).
 - › Tightening torque: 10 Nm
2. Tighten the M12 locking nut while simultaneously holding the hexagon head with an open-face wrench.
 - › Tightening torque: 83.9 Nm

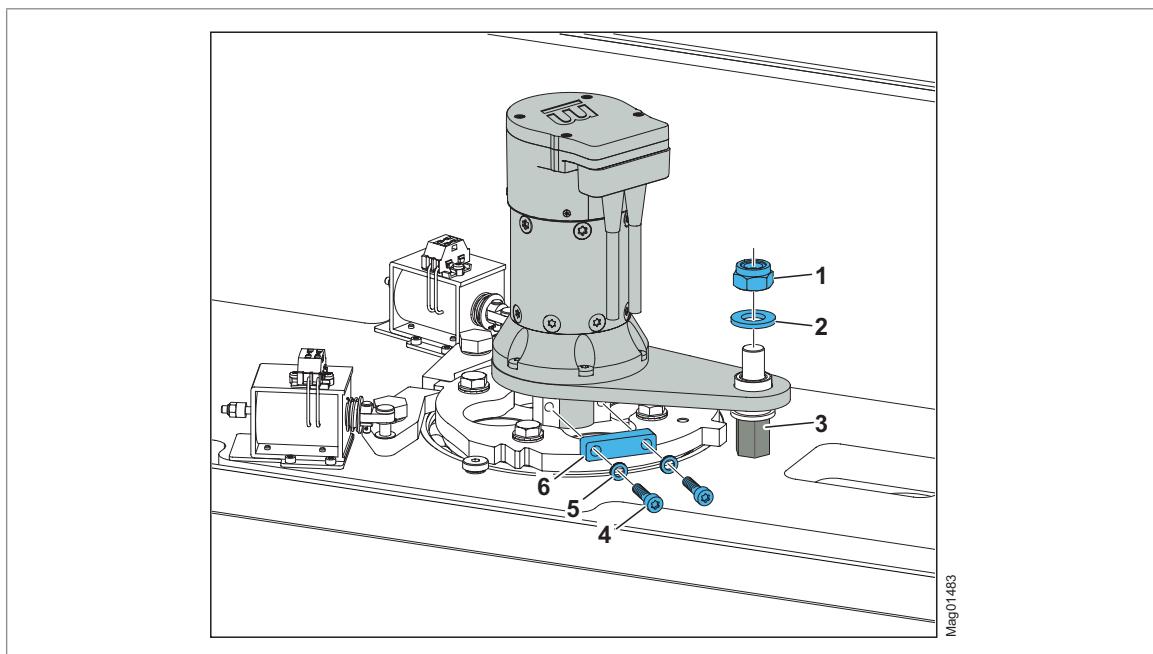


Fig. 49: Mounting the motor – MPT-3x2

- 1 Locking nut M12
- 2 Disc d13
- 3 Spacer bolt
- 4 Screw ISO14579 M6x25 A2 TX30 (Torx)
- 5 Wedge securing disc d6.5x10.8
- 6 Clamping plate

Mounting



IMPORTANT!

If the turn wing needs to be aligned, you can loosen the 4 screws on the drive unit and turn the drive unit using the oblong holes.

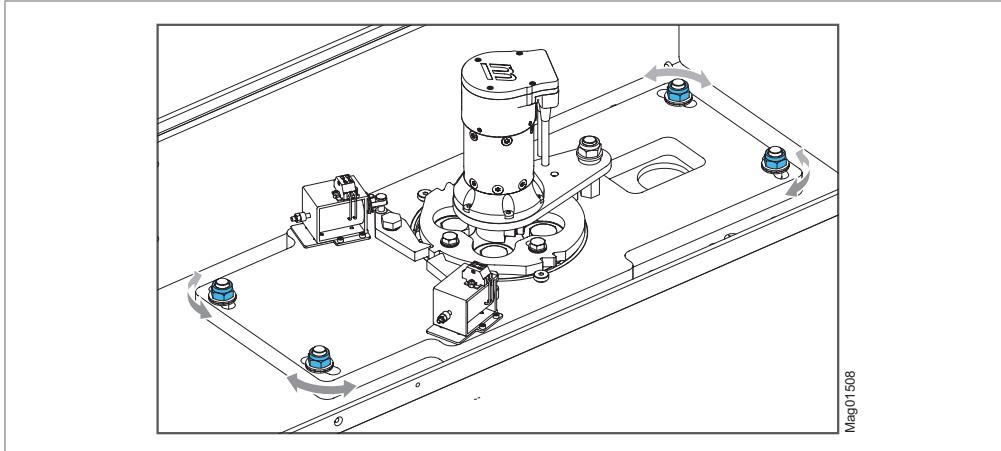


Fig. 50: Aligning the turn wing using the oblong holes in the drive unit

7.9.2 Mounting the floor bearing and turn wing – with Magnetic mounting wrench



IMPORTANT!

Magnetic offers the optional Magnetic mounting wrench MONWE100 for easier mounting of the turn wing on the drive unit. The motor does **not** need to be dismounted with this mounting wrench.

Otherwise, the installation of the floor bearing and turn wing is identical to the installation without the optional Magnetic mounting wrench MONWE100. ↗ Page 70, chapter 7.9.1

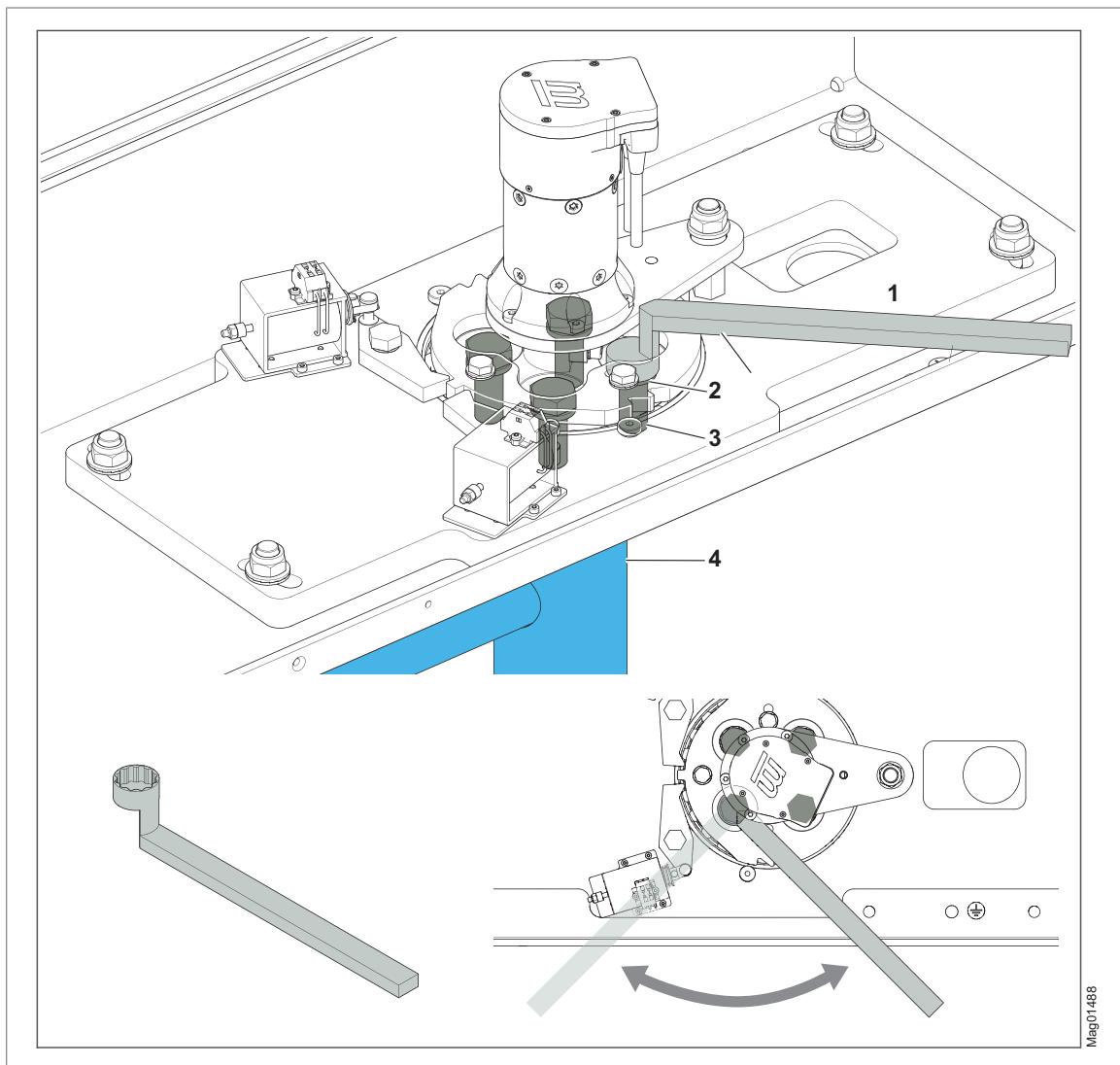


Fig. 51: Mounting the turn wing on the drive flange – MPT-3x2

- 1 Magnetic mounting wrench MONWE100
- 2 Wedge securing discs
- 3 Securing screw M16 with threadlocker such as Loctite 241
- 4 Revolving wing

7.10 Closing the cover of the support beam



IMPORTANT!

For safe operation, the support beam, the cover, and the service door must be earthed. The service door and the cover are earthed via protective earth conductors, an earthing point on the cover and an earthing point on the support beam.

When the mounting work is completed or if the work is interrupted for a longer period of time, the support beam must be closed with the cover. We recommend checking that the protective earth conductors for the cover and the service door are correctly connected when closing the cover.

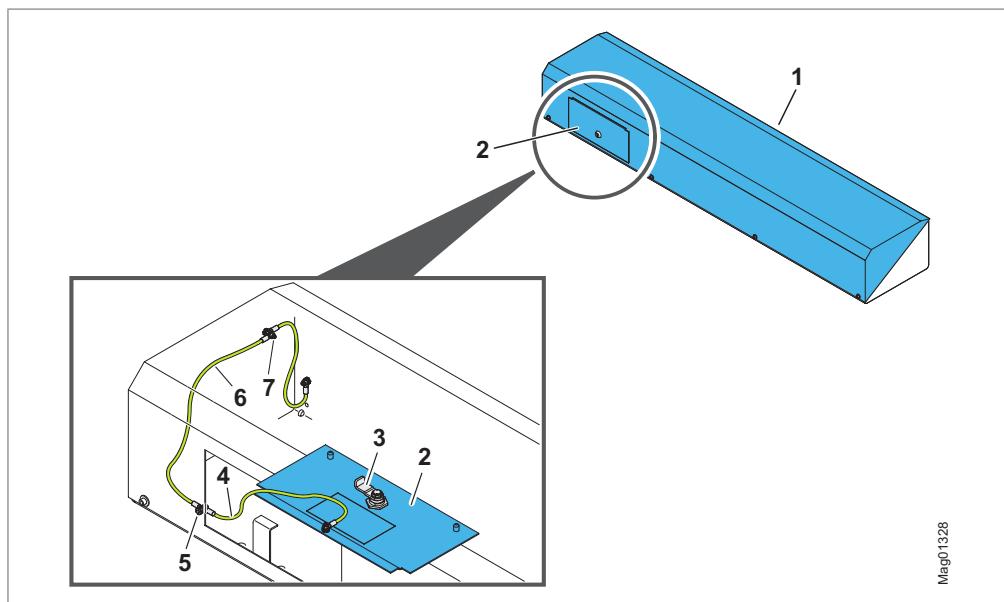


Fig. 52: Earthing of cover and service door (exemplary representation)

- 1 Cover
- 2 Service door
- 3 Lock (back)
- 4 Protective earth conductor for service door (protective earth conductor service door – cover)
- 5 Hood earthing point
- 6 Protective earth conductor for cover (protective earth conductor for cover – support beam)
- 7 Support beam earthing point

7.11 Checking the mounting

Check the following points after mounting:

- › Are all foundation anchors tightened?
- › Are all attachment screws firmly tightened?
- › Is the support beam earthed?
- › Is the support beam closed with the cover?
- › Is the protective earth conductor for the cover connected?
- › Is the protective earth conductor for the service door connected?
- › Is the cover mounted correctly?
- › Is the service door in the cover locked?

8 **Mounting the optional mounting pillar for access-control devices**



IMPORTANT!

Magnetic offers the ASMP mounting pillar as an attachment for the MPG-372 swing door to install access-control devices.

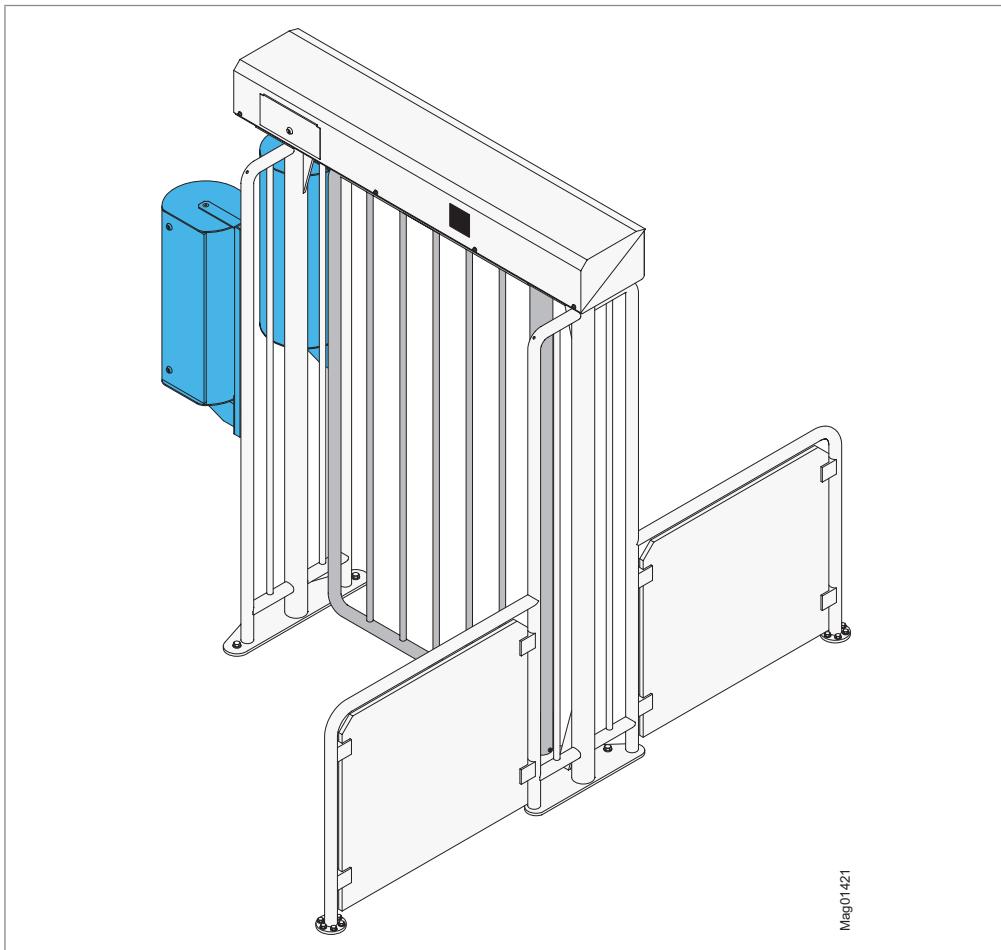


Fig. 53: Optional mounting pillars for swing door MPG-372

If the mounting pillars were ordered at the same time as the pedestrian gate, pull wires for the lines of the mounting pillars are pulled in at the factory.

Additional steps for the subsequent ordering of the mounting pillar

If the mounting pillars are ordered subsequently, you must carry out the following steps before mounting the mounting pillars:

1. Drill two holes for either M8 threads or M8 blind rivet nuts for the mounting pillars into the supports of the foot.
2. Either place a M8 blind rivet nut or cut a M8 thread in the holes.
3. Drill a hole with a diameter of 30 mm for the pull wires and lines.

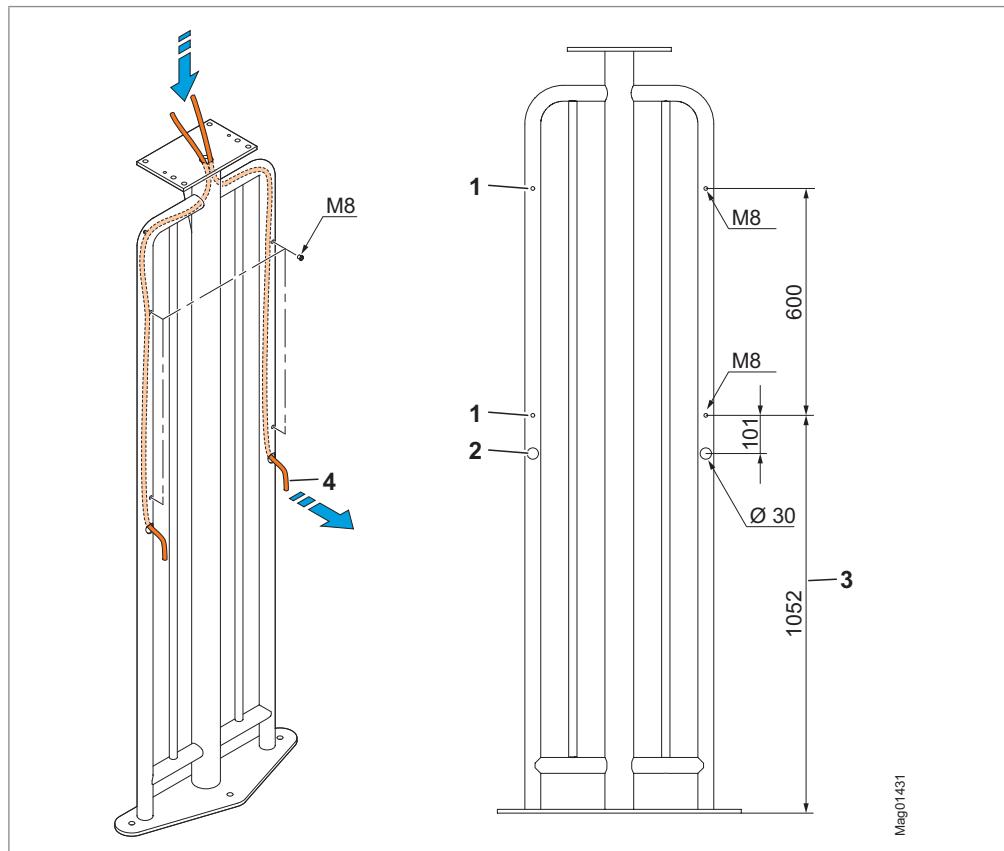


Fig. 54: Required holes for mounting pillar (all size in mm)

- 1 Borehole either for M8 blind rivet nut or M8 thread for fastening the U-profile (2x)
- 2 Borehole diameter 30 mm for pull wires and lines (1x)
- 3 Standard height for implementation by Magnetic
- 4 Lines for mounting pillars

4. Pull the pull wires or lines for the mounting pillar, starting from the support beam, through the outer supports of the foot.

Mounting the mounting pillar

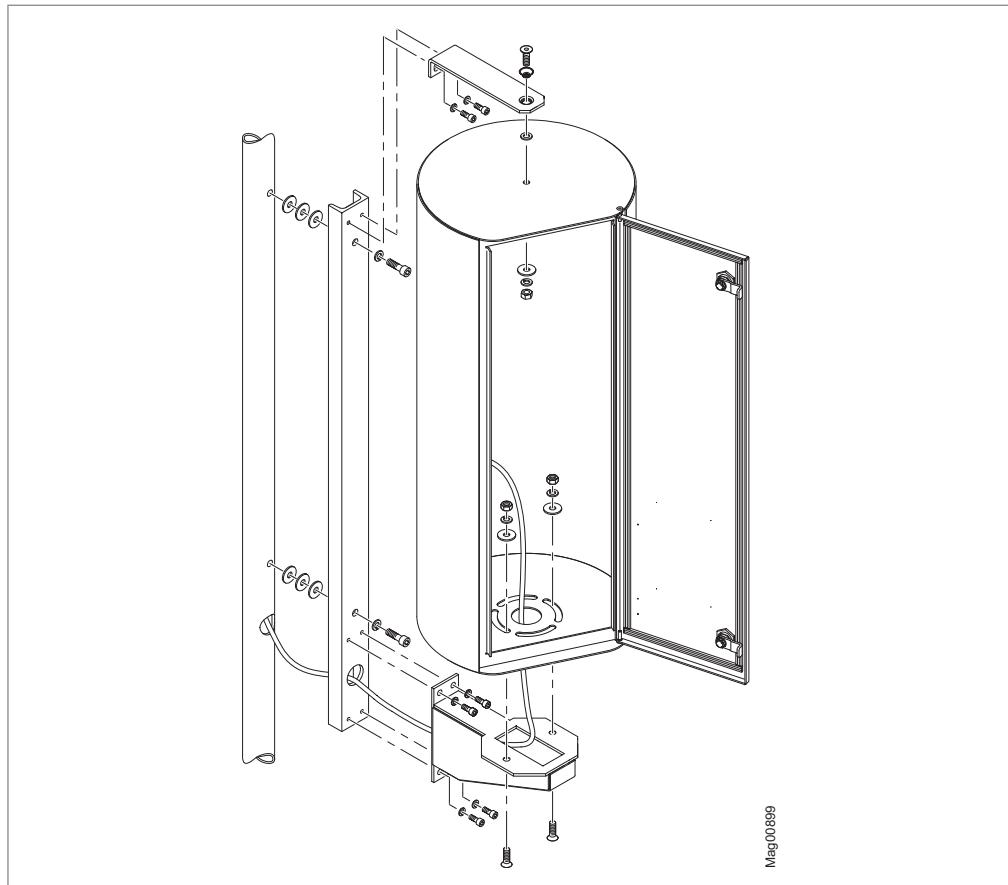


Fig. 55: Mounting pillar and attachment material

Mounting the optional mounting pillar for access-control devices

1. Mount the U-profile to the outer support of the foot.

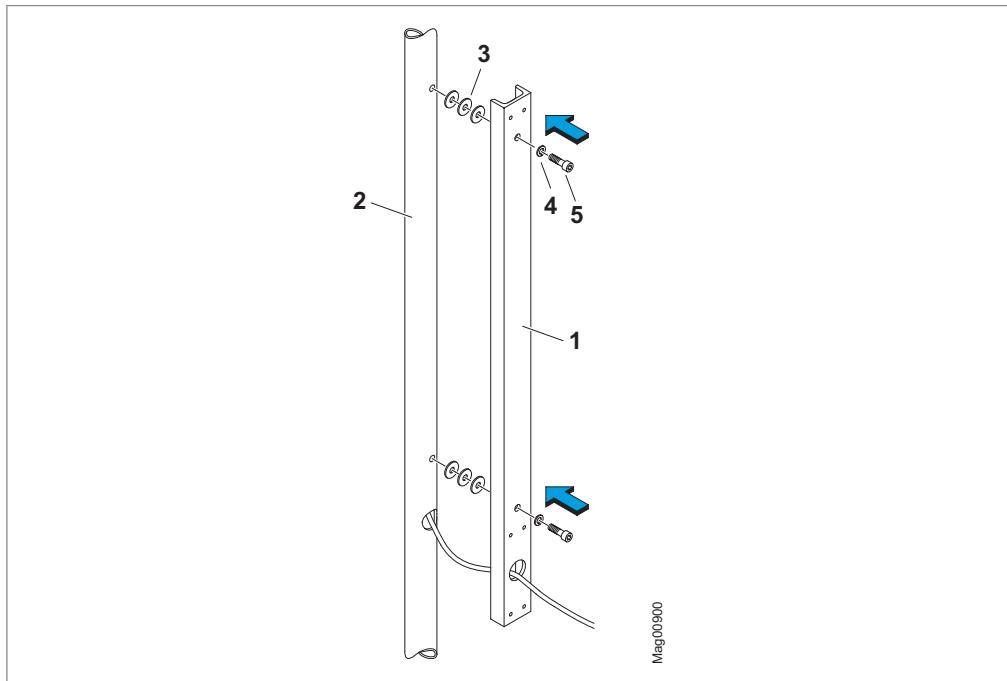


Fig. 56: Mounting the U-profile

- 1 U-profile
- 2 Outer foot support
- 3 Washer D8.4
- 4 Spring washer A8
- 5 Hexagon socket screw M8 x 30

Mounting the optional mounting pillar for access-control devices

2. Mount the lower holder.

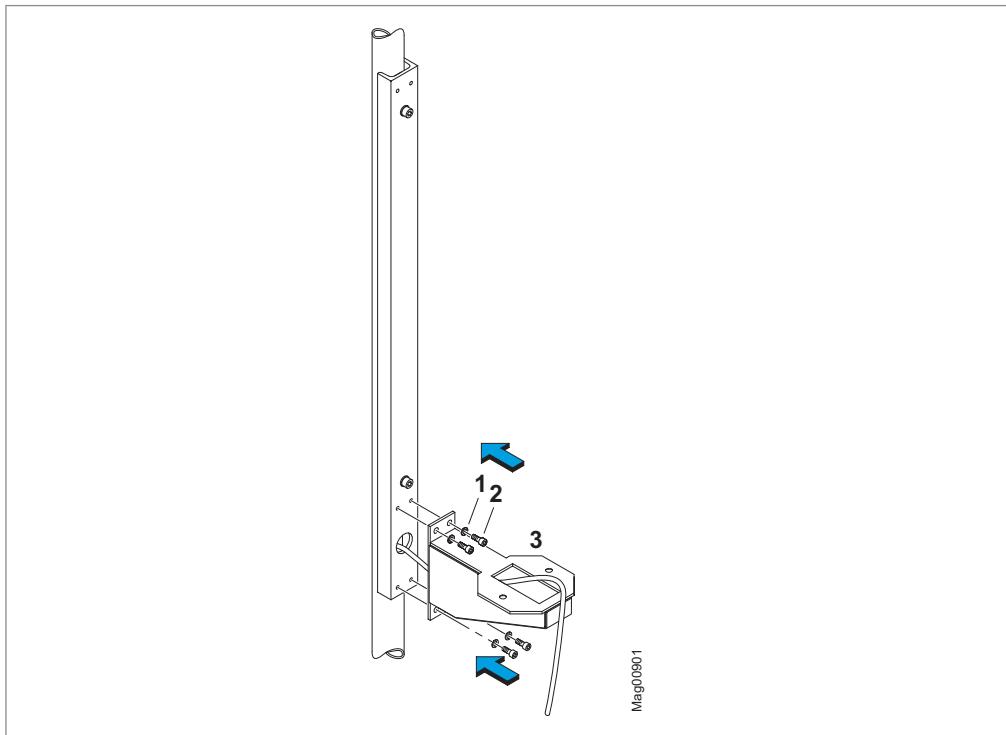
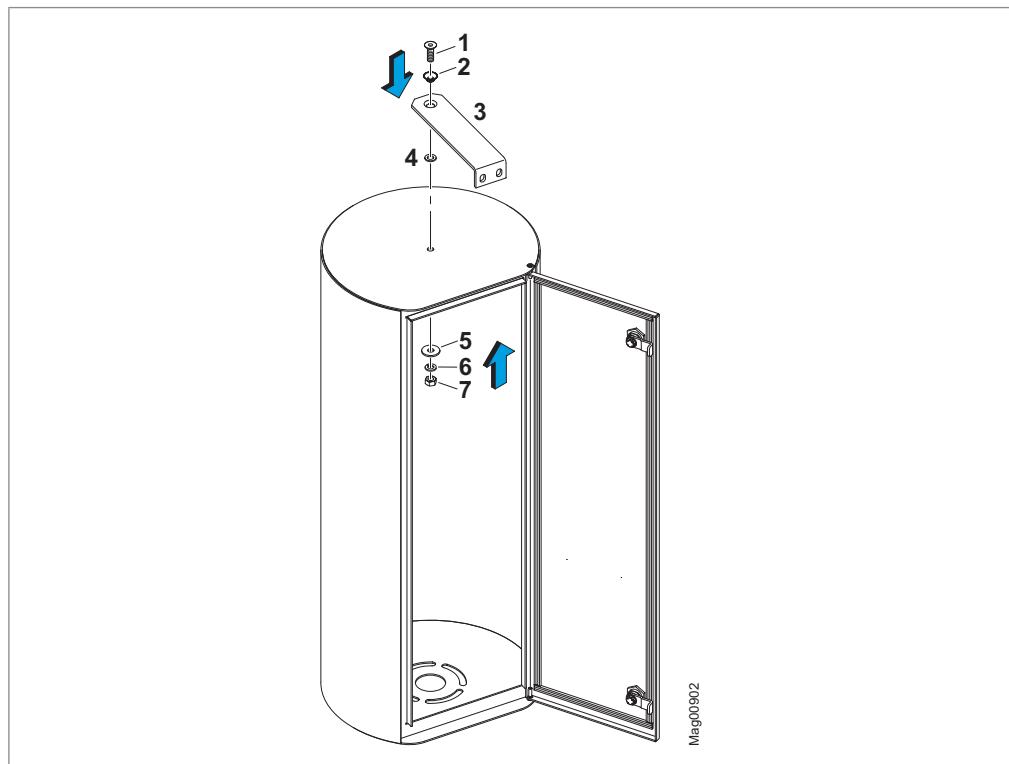


Fig. 57: Mounting the lower holder

- 1 Spring washer A6
- 2 Screw M6 x 16
- 3 Holder

Mounting the optional mounting pillar for access-control devices

3. Mount the attachment angle to the mounting pillar. Tighten nut by hand.



- 1 Screw DIN 7991 M8 x 25
- 2 Sleeve
- 3 Attachment angles
- 4 Washer PE D8.4
- 5 Washer D8.4
- 6 Spring washer A8
- 7 Nut M8

Mounting the optional mounting pillar for access-control devices

4. Mount the attachment angle with mounting pillar to the U-profile.

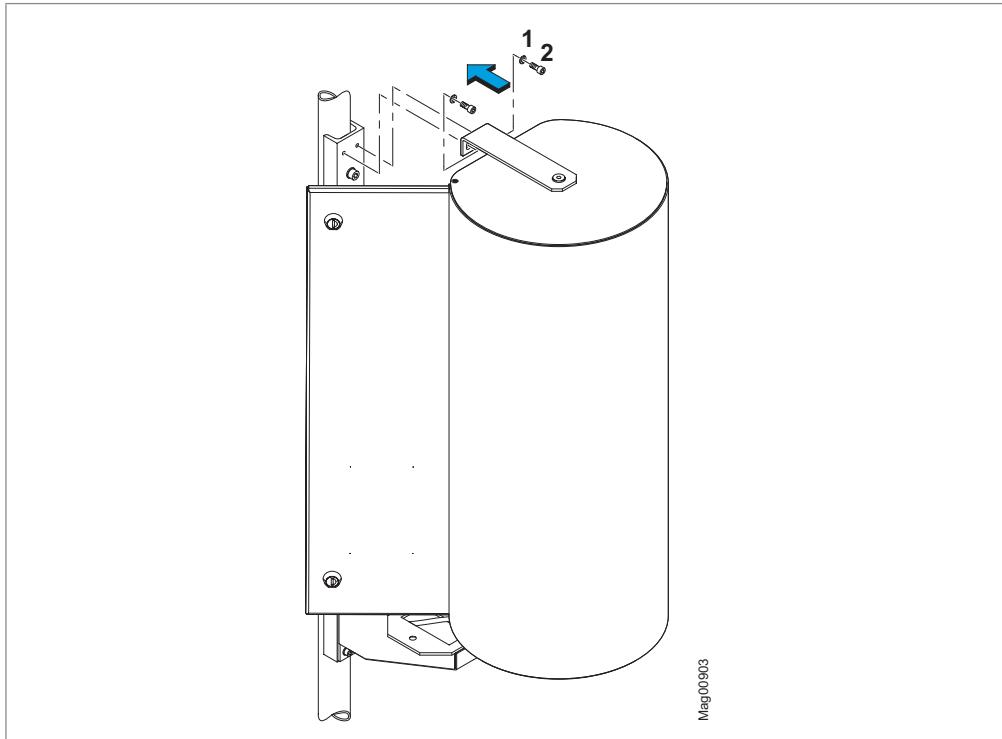


Fig. 59: Mounting the attachment angle

- 1 Spring washer A6
- 2 Screw M6 x 16

5. Align the mounting pillar by turning it.

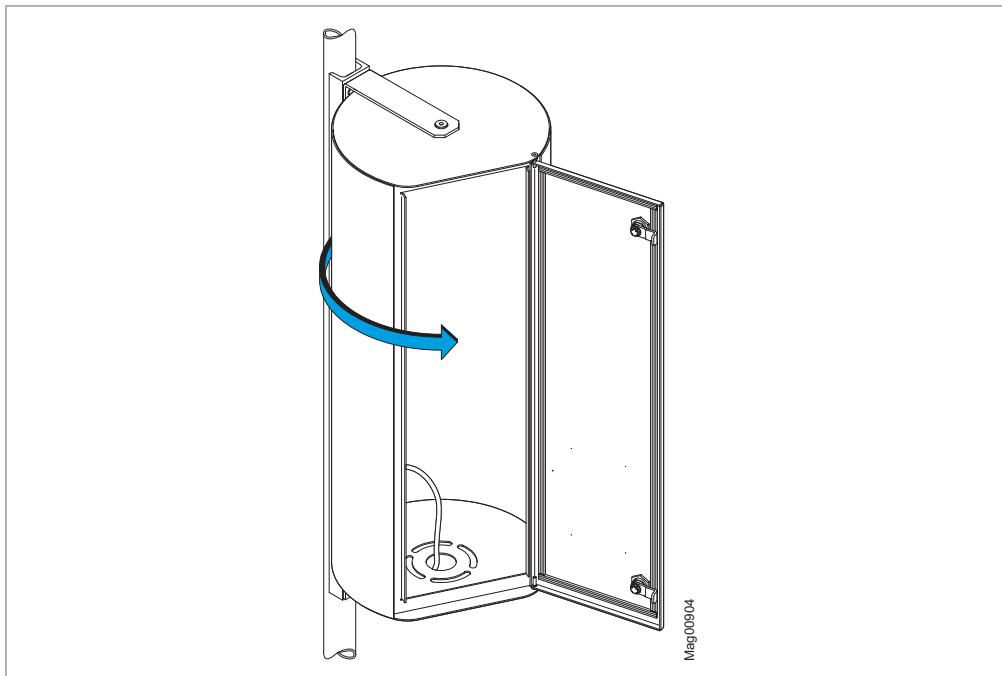


Fig. 60: Aligning the mounting pillar

Mounting the optional mounting pillar for access-control devices

6. Fix the mounting pillar to the lower holder.

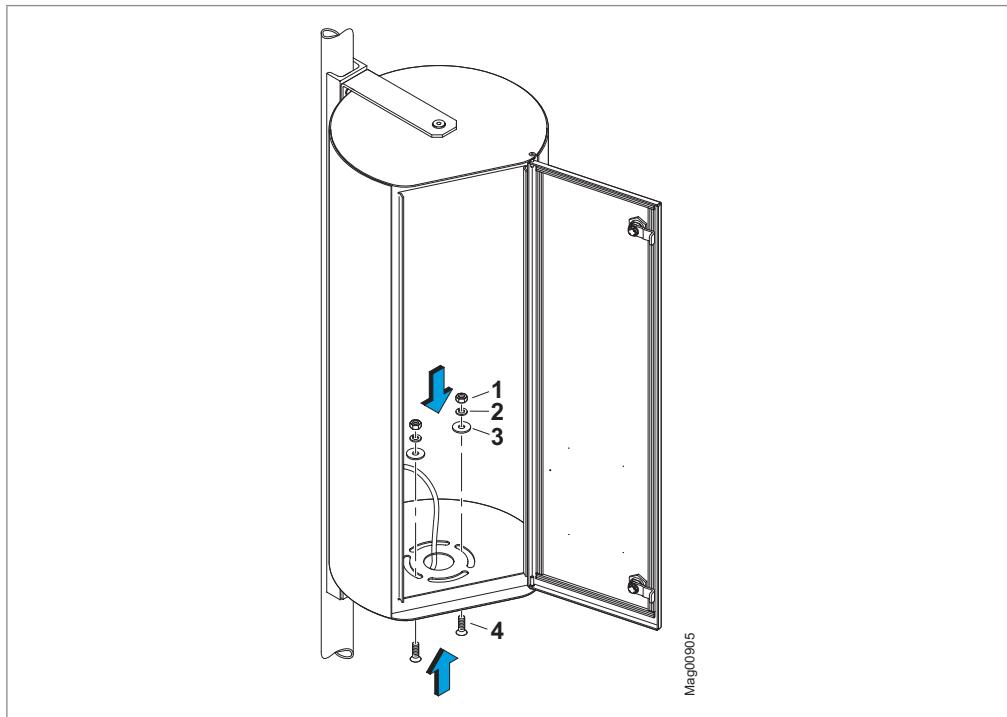


Fig. 61: Fixing the mounting pillar

- 1 Nut M8
- 2 Spring washer A8
- 3 Washer D8.4
- 4 Screw M8 x 25

7. Tighten the screw and nut on the upper attachment angle.

9 Electrical connection

9.1 Safety during electrical connection

Qualification of personnel

- › Magnetic service expert
- › Qualified electrician

↗ Page 12, chapter 2.3.2.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

DANGER



Electric voltage!

Touching live parts can be lethal. Damage to the insulation or to individual components can be lethal.

- › Only qualified electricians may perform any work on the electrical system. Electrical work to the product must be carried out by qualified electricians, Magnetic service experts and technicians with an appropriate additional qualification.
- › Before commencing any work, switch off power supply and secure against restarting. Test for absence of voltage.
- › Keep live parts free from moisture and dust. Intruding moisture or dust may cause a short circuit.
- › If the electrical connection is established at precipitation, e.g., rain or snow, intrusion of moisture must be prevented by suitable measures, such as a protective cover.
- › Install protective devices that are required by national and local regulations, such as e.g. residual current devices. These protective devices must be provided by the customer.
- › Observe the information on the type plate.
- › Close all covers after all work is completed.

DANGER	
	<p>Mortal danger from lightning and electric voltage!</p> <p>During or after a lightning struck the system, touching the components or being in the immediate vicinity of the system poses a danger to life.</p> <ul style="list-style-type: none">› When mounting outside, do not install and mount the pedestrian gate during thunderstorms.› Protect yourself in buildings or vehicles.

NOTICE	
	<p>Electromagnetic interference!</p> <p>The pedestrian gate is approved for industrial, residential, commercial, and business use. Operation in other electromagnetic environments may result in interferences or malfunction.</p> <ul style="list-style-type: none">› Place control lines and mains cables into separate conduits.› Customer access-control devices, signal transmitters and receivers must be EMC-tested and comply with the prescribed EMC limits. In this case, a Declaration of Conformity must be carried out by the customer.

9.2 Installing electrical protective devices

The protective devices that are required according to national and local regulations must be provided on site. This safety equipment is to be provided by the customer.

As a rule, the following protective devices must be installed:

- › Residual current device (RCD)
- › Circuit-breaker.
- › Lockable 2-pole main switch acc. to EN 60947-3.

9.3 Opening and closing the cover or service door



IMPORTANT!

For safe operation, the support beam, the cover, and the service door must be earthed. The service door and the cover are earthed via protective earth conductors, an earthing point on the cover and an earthing point on the support beam.

9.3.1 Opening and closing the cover

Opening the cover

1. Open the service door with the supplied key.
2. Disconnect the protective earth conductor for the service door at the earthing point for the cover.
3. Put the service door aside.
4. Disconnect the protective earth conductor for the cover at the earthing point for the cover.

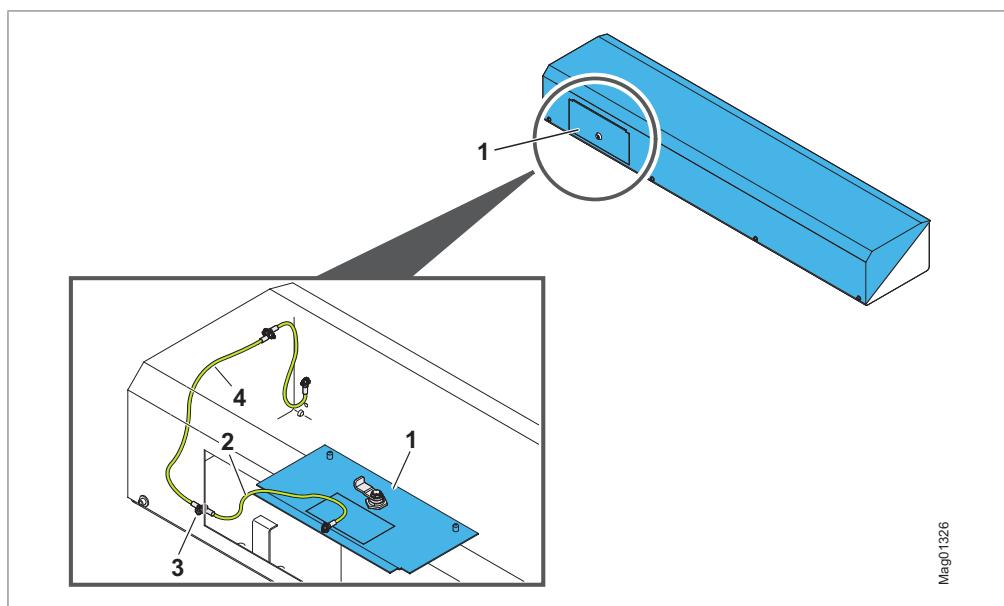
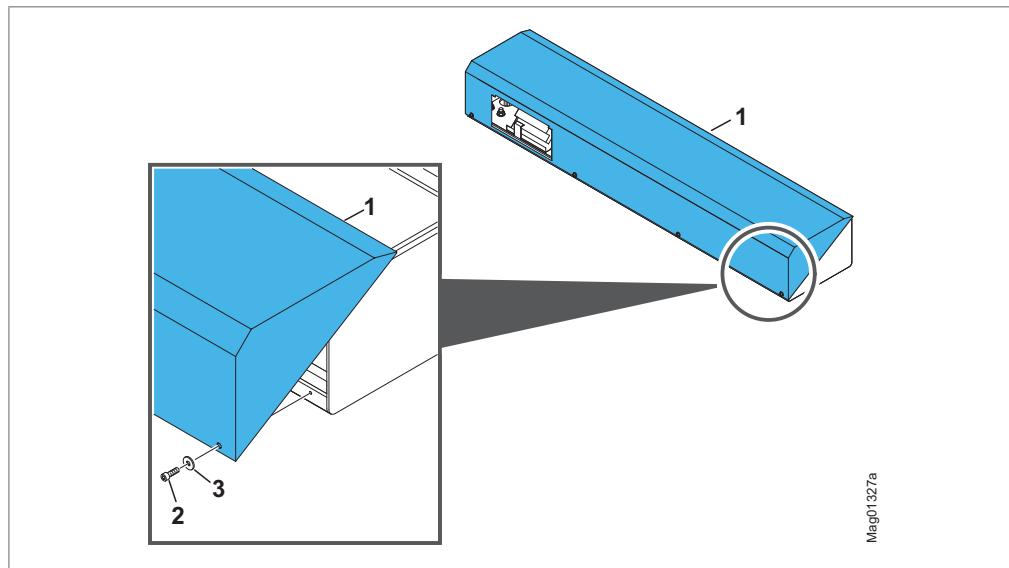


Fig. 62: Disconnect the protective earth conductor from the service door and cover

- 1 Service door
- 2 Protective earth conductor for service door
- 3 Hood earthing point
- 4 Protective earth conductor for cover

5. Loosen the screw of the cover.
6. Pull the cover to the front and remove it.



Mag01327a

Fig. 63: Opening the cover

- 1 Cover
- 2 Screw
- 3 Washer

Closing the cover

1. Put the cover onto the support beam from the front.
2. Secure the cover with the screws.

⚠ DANGER

Danger to life if the protective earth conductor for the cover is not connected!

3. Connect the protective earth conductor for the cover to the earthing point for the cover.

⚠ DANGER

Danger to life if the protective earth conductor for the service door is not connected!

4. Connect the protective earth conductor for the service door to the earthing point for the cover.
5. Close the service door.

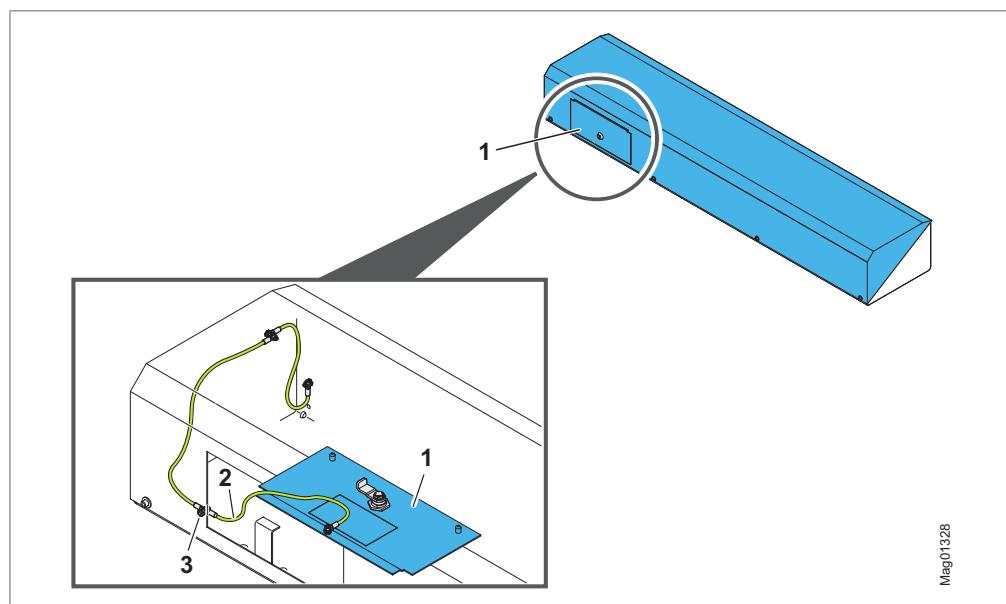
9.3.2 Opening and closing the service door**Opening the service door**

1. Open the service door with the supplied key.

Closing the service door**⚠ DANGER**

Danger to life if the protective earth conductor for the service door is not connected!

1. Ensure that the protective earth conductor for the service door is located on the service door and connected to the cover.
2. Close the service door.



Mag01328

Fig. 64: Open the service door, grounding of the service door (exemplary representation)

- 1 Service door
- 2 Protective earth conductor for service door, earthed via earthing point support cover
- 3 Hood earthing point

9.4 Connecting the mains cable

DANGER



Danger to life due to electric shock!

If the mains cable is not connected to the terminal clamps correctly, loosens from the connection clamps and touches the housing or cover, there is a direct danger to life from electric shock.

- › Only qualified electricians may perform any work on the electrical system. Electrical work to the product must be carried out by qualified electricians, Magnetic service experts and technicians with an appropriate additional qualification.
- › Connect mains cable according to the following description.
- › Install electrical protective devices. ↗ Page 89, chapter 9.2.



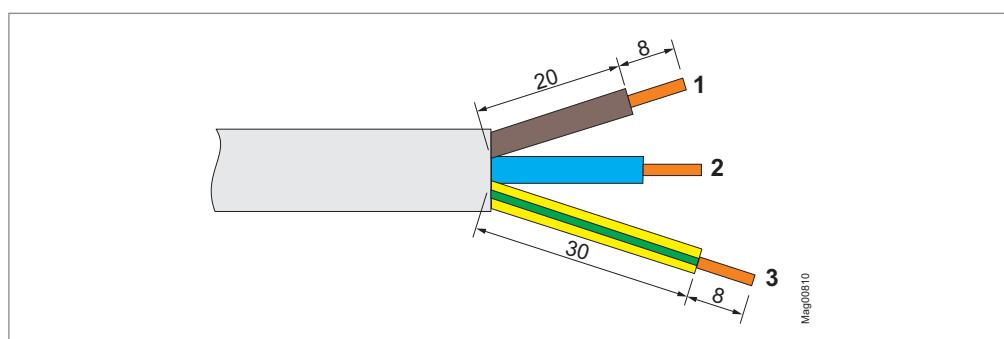
IMPORTANT!

The wire cross-section of the mains cable must be between 1.5 and 2.5 mm². Observe national regulations regarding cable length and corresponding wire cross-section.

1. Disconnect the pedestrian gate from the power supply. Ensure absence of voltage. Secure against reactivation.

DANGER
Danger to life, electrical voltage!

2. Strip the mains cable and wires as per the following figure.



Mag00810

Fig. 65: Stripping (dimensions in mm)

- 1 Phase
- 2 Zero conductor
- 3 Protective earth conductor

3. Connect the mains cable to the terminals X1: L / N / PE in the support beam as shown in the following figures. ↗ Separate electrical circuit diagram.
 - › If the mains supply is routed through the support beam, observe that the line does not get into any moving parts and is not crushed by the cover.
 - › Secure the mains cable via the tension relief.

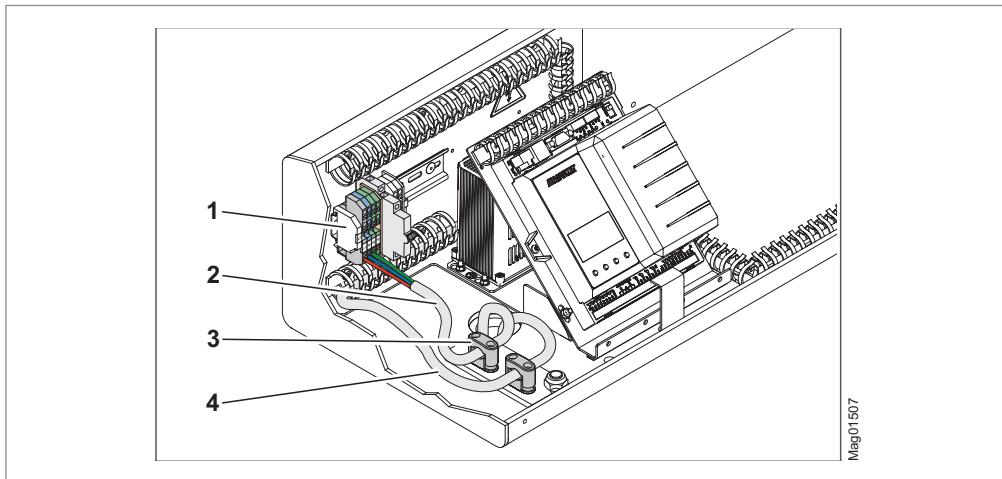


Fig. 66: MPG-372 – Connecting the mains cable

- 1 Terminals mains cable X1
- 2 Mains cable
- 3 Tension relief
- 4 Another line (example)

For the MPG-362 swing door, the mains cable can also be routed from the support beam of an MPT turnstile via the connection block into the support beam of the swing door.

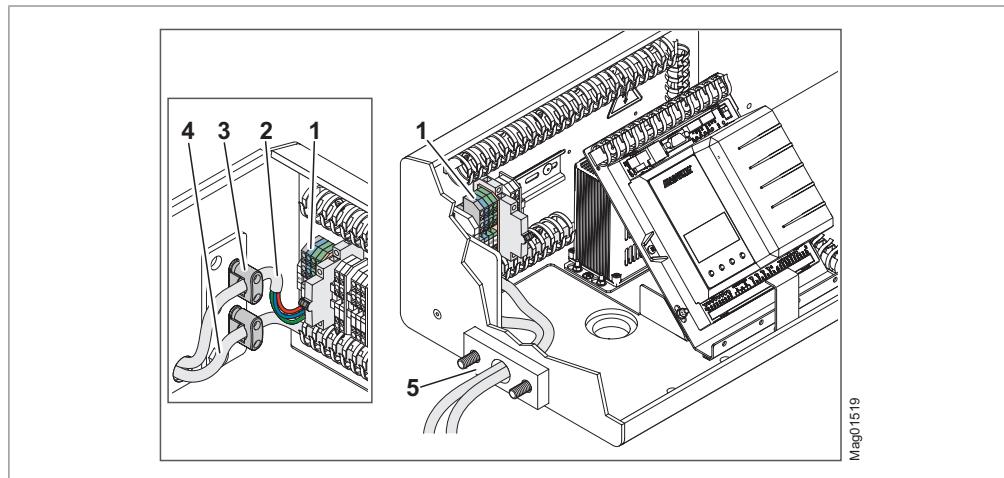


Fig. 67: MPG-362 – Connecting the mains cable

- 1 Terminals mains cable X1
- 2 Mains cable
- 3 Tension relief
- 4 Another line (example)
- 5 Connection block

9.5 Connecting the induction loops

The pedestrian gates MPG are optionally available with handrails. Depending on the variant, an induction loop is only integrated in one handrail or induction loops are integrated in both handrails. The connection lines for the induction loops are factory-installed in the foot. These induction loops must be connected to the DM02 loop detector module.

Alternatively, you can also install induction loops in the passage area of the swing gate and connect these to the DM02 loop detector module yourself.

1. Connect the connection line for the induction loops in accordance with the electrical circuit diagram. ↗ Separate electrical circuit diagram.

9.6 Connecting customer control lines



IMPORTANT!

For connecting the control lines provided by the customer, see separate document "Description of control unit MGC (Doc.ID: 58170065)".

9.7 Connecting emergency opening contacts

↗ Separate wiring diagram and document "Description control unit MGC (Doc.ID: 58170065)".

Connect fire brigade switches, emergency opening contacts, etc. to the "| Emergency open" input. This input has the highest priority and overrides all other input functions.

If the "| Emergency open" input is interrupted during operation, the turn wing is opened into the direction of the zone not controlled. As soon as power is restored at the "| Emergency open" input of the control unit, the swing door is put back into operation.

9.8 Mounting and connecting customer access-control devices (MPG-372)

 **DANGER**



Danger to life due to electric shock!

Improper installation of the mounting pillar may cause electric shock and therefore potentially fatal injury.

- › Only qualified electricians may perform any work on the electrical system. Electrical work to the product must be carried out by qualified electricians, Magnetic service experts and technicians with an appropriate additional qualification.
- › Connect the mains cable correctly to the terminals. Ensure that the mains cable cannot come free of the terminals and touch the housing or the door.
- › When using voltages above 25 V AC or 60 V DC, earth the housing or connection plate.
- › Use a voltage of no more than 25 V AC or 60 V DC on the operating front.

Mounting

For the MPG-372 swing door, you can mount the access-control devices in the optional mounting pillar, for example.

↗ Page 80, chapter 8.

Electrical connection

The access-control devices are connected to the control unit MGC.

↗ Separate electrical circuit diagram.

9.9 **Checking the electrical connections**

Check the following after completing the electrical installation:

- › Does the power supply match the specification on the type plate?
- › Are the required protective devices installed?
- › Is the pedestrian gate connected according to electrical circuit diagram?
- › Is the emergency signal transmitter correctly connected?
- › Are the customer's signal transmitters and receivers correctly connected?
- › Are all screws tightened?
- › Is the support beam earthed?
- › Is the protective earth conductor for the cover connected?
- › Is the protective earth conductor for the service door connected?
- › Is the cover mounted correctly?
- › Is the service door closed?

10 Commissioning

10.1 Safety during commissioning

Qualification of personnel

- › Magnetic service expert
- ↗ Page 12, chapter 2.3.2.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

10.2 Putting the pedestrian gate into operation

Perform the following check during commissioning:

- › Home position of the turn wing
- › Function of the turn wing in both directions
- › Function of the turn wing in case of power failure
- › Function of the turn wing in an emergency situation
- › Function of the optional displays for passage clear and passage locked
- › Function of the customer-side access-control devices

10.3 Switching the pedestrian gate on and off

NOTICE



Restarting quickly!

Restarting the pedestrian gate too quickly can lead to damage of the equipment!

- › Wait at least 10 seconds after switching off the pedestrian gate before you switch the pedestrian gate on again.

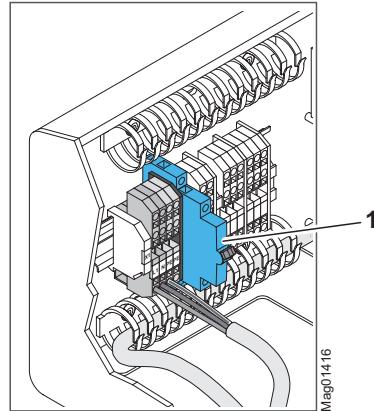


Fig. 68: Switching the pedestrian gate on and off, shown here MPG-372

1 2-pin switch-off

1. Open the service door for the support beam. [Page 92](#), chapter 9.3.2.
2. Switch the pedestrian gate on or off using the 2-pin switch-off.
3. Close the service door.

10.4 Parameterising the pedestrian gate



IMPORTANT!

For parameterisation see separate document "Description of control unit MGC (Doc.ID: 58170065)".

11 Operation

The operation of the pedestrian gate depends on the connected access-control devices, signal transmitters and signal receivers and on the parameterisation of the control unit.

We recommend creating a description for the operation, depending on the connected devices and the parameterisation.



IMPORTANT!

For parameterisation see separate document "Description of control unit MGC (Doc.ID: 58170065)".

12 Log book

The pedestrian gate must be checked at least once a year in accordance with the log book.

The log book "Full height swing door MPG-362 / MPG-372 (Doc.ID: 58370049)" is included in the scope of delivery.

13 Cleaning and maintenance

13.1 Safety during cleaning and maintenance

Qualification of personnel

Cleaning

- › Operator

Cleaning and maintenance

- › Technician
- › Magnetic service expert

↗ Page 12, chapter 2.3.2.

Electrical work to the product must be carried out by technicians with additional qualification and by Magnetic service experts. Electrical work to the electrical system provided by the customer must only be carried out by a qualified electrician.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

13.2 Cleaning the pedestrian gate

The cleaning interval essentially depends on the environmental conditions and the climate.

NOTICE	
	Aggressive cleaning aids and substances! Aggressive detergents and consumables may damage or destroy components, electric cables, or the coating of the pedestrian gate. › Do not use cleaning agents with aggressive ingredients.

13.2.1 Cleaning the pedestrian gate from the outside

Clean the pedestrian gate at regular intervals.

- › Remove soiling appropriately.
- › Never use wet cloth.
- › For powder-coated components: Clean or pre-clean regularly with a damp cloth and then dry off carefully.
- › For stainless steel components: Clean or pre-clean regularly with a damp cloth and then dry off carefully. Clean with stainless steel detergent if required. We recommend the stainless steel polish from 3M. Apply a thin and even layer of stainless steel detergent and rub it dry by using a clean and dry disposable cloth.
- › For galvanised components: Wash off surfaces using water and a soft cloth. Remove stubborn marks as soon as possible using a standard commercial detergent for zinc (e.g., ROTOL New Formula A2).

13.2.2 Cleaning the support beam from the inside

NOTICE	
	Improper cleaning! Cleaning with a vapour or pressure-jet cleaner will damage or destroy electrical components and cables. › Never clean the support beam with vapour or pressure-jet cleaners.

1. Disconnect the pedestrian gate from the power supply. Ensure absence of voltage. Secure against reactivation.
 **DANGER**
Danger to life, electrical voltage!
2. Open cover. ↗ Page 90, chapter 9.3.1.
3. Use a vacuum cleaner to clean dust from the inside of the support beam.
4. Close cover.

13.3 Maintenance schedule

The components do not have to be replaced by default.

The work listed in the maintenance plan are visual inspections and functional checks that we either recommend for safe, optimum and trouble-free operation of the pedestrian gate or that are prescribed by official regulations, ordinances, rules, guidelines and/or standards.

Cleaning and maintenance

Interval	Work	Personnel
Monthly	Check the pedestrian gate for damage from the outside.	› Operator
Every 6 months	<p>Check the following components for damage:</p> <ul style="list-style-type: none"> › MPG-362: Turn wing foot and turn wing › MPG-372: Turn wing foot, foot and turn wing › Optional handrail <p>Check the support beam for damage from inside and outside. If necessary, clean support beam and correct defect in paint work.</p> <p>Check the floor bearing for each turn wing for ease of movement. Adjust play if necessary.</p> <p>Check the screw connection of the flange connection of the turn wing.</p> <p>Check the function of the locking mechanism for the turn wing.</p> <p>Check the function "emergency open".</p> <p>Check the function of the external residual current device.</p>	<ul style="list-style-type: none"> › Technician › Magnetic service expert
Every 12 months	<p>Check the electrical lines for damage.</p> <p>Check all electrical connections for tightness.</p> <p>Check the earthing of the support beam, cover, and service door for damage and tight fit. ↗ Page 16, chapter 2.9.</p> <p>Check signs and labels for completeness and legibility.</p> <p>Perform work as per the supplied log book.</p> <p>Check the attachment screws of the pedestrian gate.</p>	<ul style="list-style-type: none"> › Technician › Magnetic service expert

Table 10: Maintenance schedule

14 Corrective action



IMPORTANT!

For corrective action see separate document "Description of control unit MGC (Doc.ID: 58170065)".

15 Spare parts and repair

NOTICE



Wrong and faulty spare parts!

Incorrect or defective spare parts can result in damage, malfunctions or total failure and also impair safety.

- › Use only the manufacturer's original spare parts.

Spare parts can be purchase from your authorised dealer. The address can be found on your delivery receipt, invoice or on the back of these operating instructions.

Spare part lists can be obtained on request.

16 Conversion

16.1 Safety during conversion

Qualification of personnel

Cleaning and maintenance

- › Technician
- › Magnetic service expert

↗ Page 12, chapter 2.3.2.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

16.2 Converting the locking

By default, the locking is delivered with the configuration “rotating freely when de-energised”.



IMPORTANT!

You can modify the locking into the “Locked when de-energised” configuration. You must then parameterise the swing door for the “Locked when de-energised” configuration in the “Gate HW” menu. For parameterisation see separate document “Description of control unit MGC (Doc.ID: 58170065)”.

Characteristic	Rotating freely when de-energised	Locked when de-energised
Function	The turn wing can be rotated in the event of a power failure. The passage is free for both directions.	In the event of a power failure, the passage is blocked for both directions. The turn wing is locked.

Table 11: Features “rotating freely when de-energised” and “locked when de-energised”

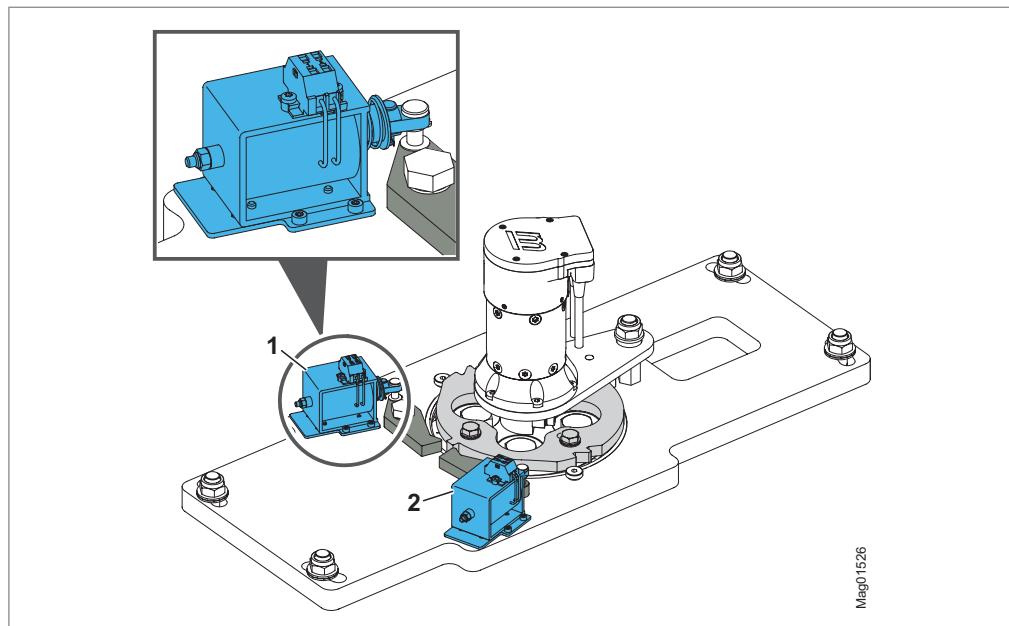
Locking configuration "rotating freely when de-energised"

Fig. 69: Locking configuration "rotating freely when de-energised"

- 1 Magnet RL1
- 2 Magnet RL2

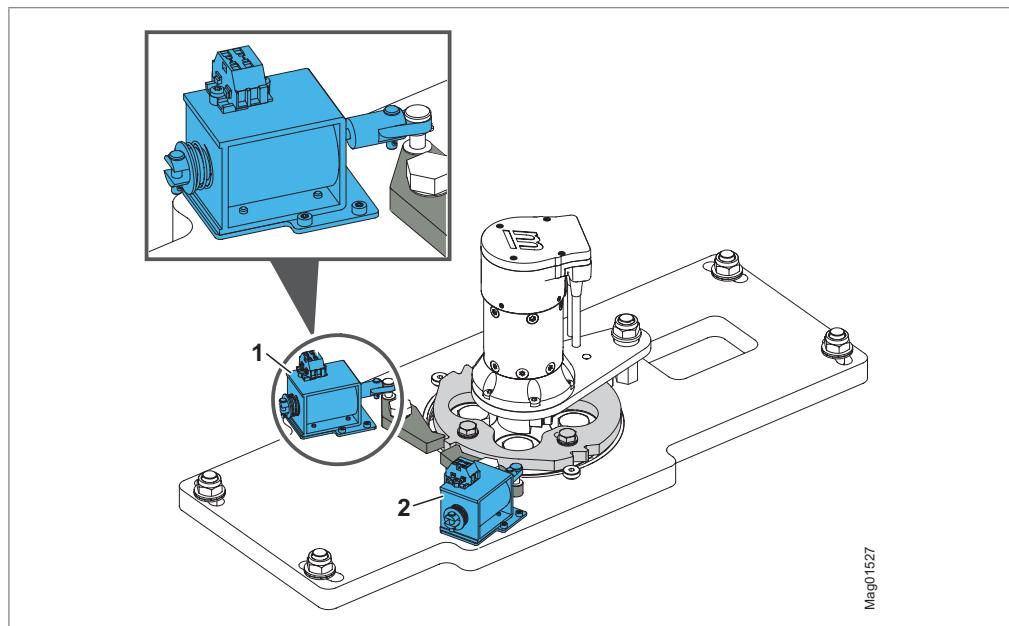
Locking configuration "locked when de-energised"

Fig. 70: Locking configuration "locked when de-energised"

- 1 Magnet RL1
- 2 Magnet RL2

16.2.1 Converting the locking from "rotating freely when de-energised" to "locked when de-energised"



IMPORTANT!

To convert the locking, you need the VRMU1 conversion kit **for each magnet**. When converting the locking, both solenoids must be converted.

1. Disconnect the pedestrian gate from the power supply. Ensure absence of voltage. Secure against reactivation.
⚠ DANGER
 Danger to life, electrical voltage!
2. Open cover. ↗ Page 90, chapter 9.3.1.

The conversion is described for one magnet.

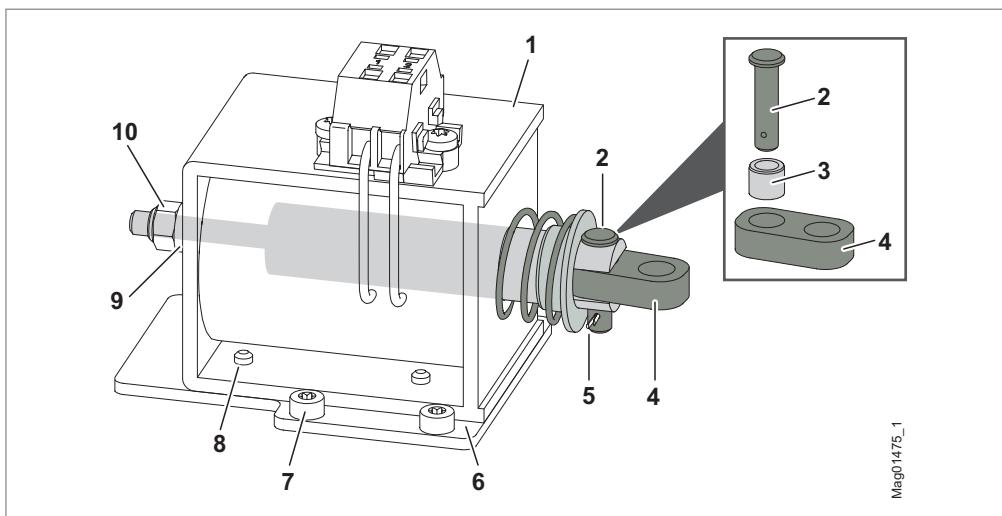


Fig. 71: Magnet configuration "rotating freely when de-energised"

- 1 Magnet in position "rotating freely when de-energised"
- 2 Bolt for compression spring and slide bearing
- 3 Slide bearing
- 4 Splice plate
- 5 Split pin for compression spring and slide bearing
- 6 Plate for magnet
- 7 Screw ISO14579 M3x8 A2 TX10 (Torx)
- 8 Countersunk screw DIN965 M3x6 A2 TX10 (Torx)
- 9 Spacer sleeve
- 10 Locking nut M4

3. Loosen the M4 locking nut (10).
4. Remove the M4 locking nut (10) and spacer sleeve (9).
5. Pull the split pin (5) out of the bolt (2).
6. Pull the bolt (2) with the slide bearing (3) out of the splice plate (4).
7. Remove the plate (6) with the magnet (1) from the base plate of the locking unit. To do this, loosen the 4 screws (7).
8. Dismount the magnet (1) from the plate (6). To do this, loosen the countersunk screws (TX10) (8).
9. Turn magnet (1) by 180°.

10. Mount the magnet on the plate (6) using the countersunk screws (8) so that the magnet is flush with the rear edge of the plate. The oblong hole (14) on the plate (6) remains free.
11. Mount the plate (6) with the magnet using the 4 screws (7) on the base plate.
12. Secure compression spring (16) and slide bearing (17) with bolt (2) and split pin (5).
13. Apply adhesive such as Loctite to the thread of the armature (15).
14. Mount the magnetic fork (11) on the armature (15).
15. Position the splice plate (4) and slide bearing (3) in the magnetic fork (11) so that the bolt (12) can be inserted.
16. Secure bolt (12) with split pin (13).

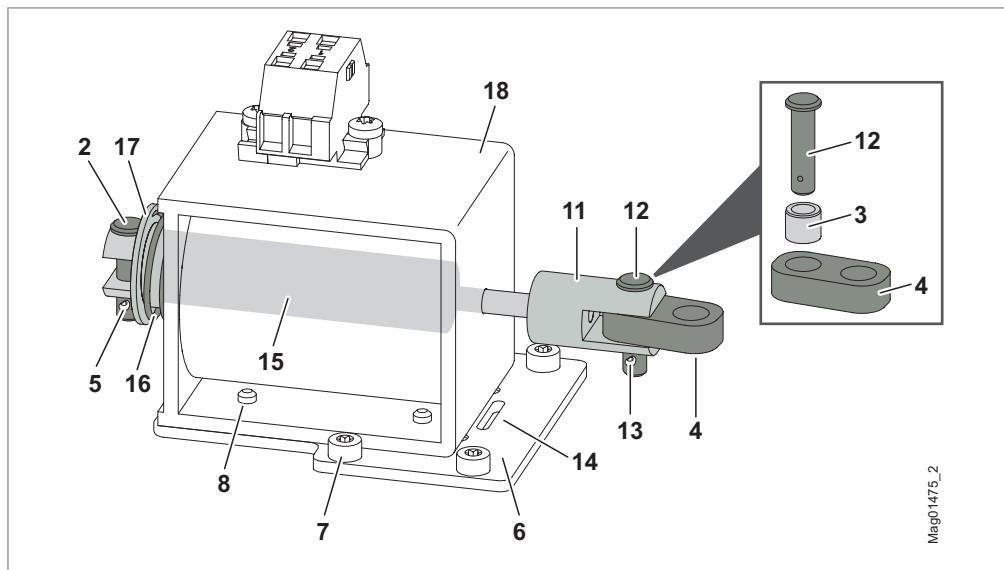


Fig. 72: Result: Magnet configuration "locked when de-energised"

- 11 Magnetic fork
- 12 Additional bolt
- 13 Additional split pin
- 14 Oblong hole
- 15 Armature
- 16 Compression spring
- 17 Slide bearing
- 18 Magnet in position "locked when de-energised"

- 2 Bolts
- 3 Slide bearing
- 4 Splice plate
- 5 Split pin
- 6 Plate for magnet
- 7 Screw ISO14579 M3x8 A2 TX10 (Torx)
- 8 Countersunk screw DIN965 M3x6 A2 TX10 (Torx)

17. Before the adhesive is hard, check and correct the distance between the locking lever and locking disc. Correct the distance by turning the armature (Fig. 72, pos. 15) in the magnetic fork (Fig. 72, pos. 11).

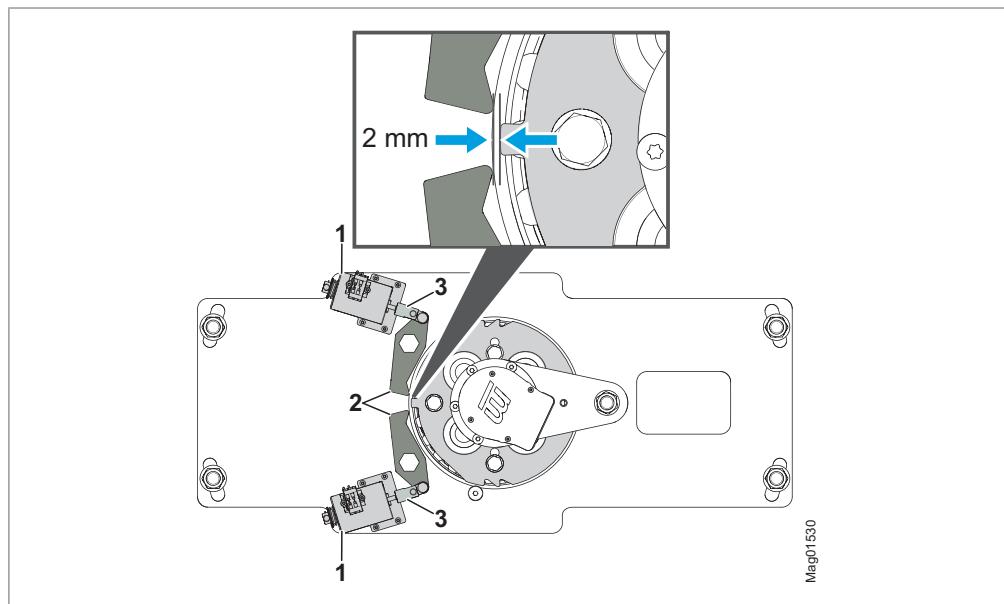


Fig. 73: Set the distance between the locking lever and locking disc,
Locking configuration "locked when de-energised"

- 1 Magnetic fork (magnet)
- 2 Locking lever
- 3 Locking disc

18. Convert the second locking magnet.
19. Parameterise the turnstile for the "locked when de-energised" configuration in the "Gate HW" menu on the control unit MGC. For parameterisation see separate document "Description of control unit MGC (Doc.ID: 58170065)".

16.2.2 Converting the locking from "locked when de-energised" to "rotating freely when de-energised"



IMPORTANT!

To convert the locking, you need the VRMU1 conversion kit **for each magnet**. When converting the locking, both solenoids must be converted.

1. Disconnect the pedestrian gate from the power supply. Ensure absence of voltage. Secure against reactivation.
⚠ DANGER
 Danger to life, electrical voltage!
2. Open cover. ↗ Page 90, chapter 9.3.1.

The conversion is described for one magnet.

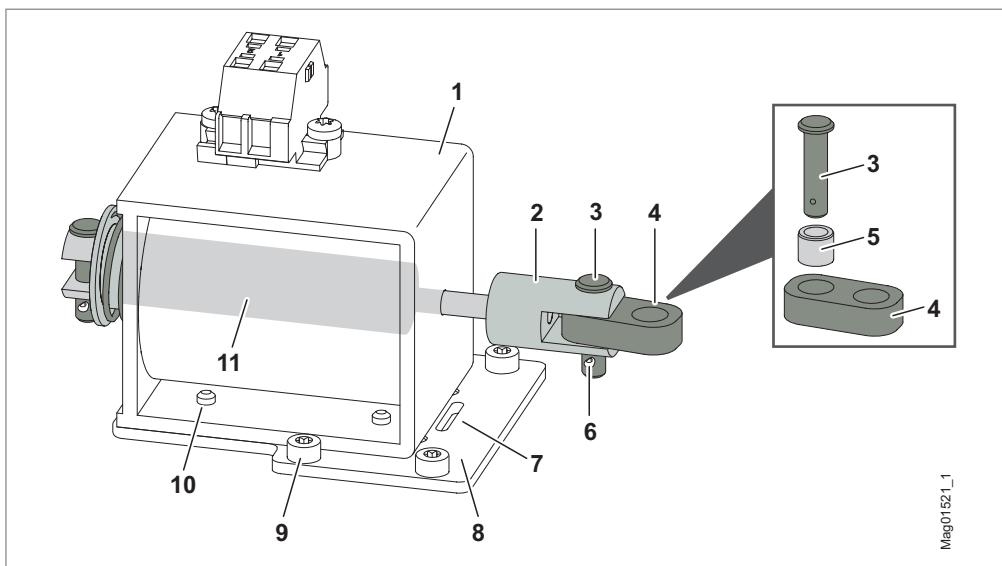
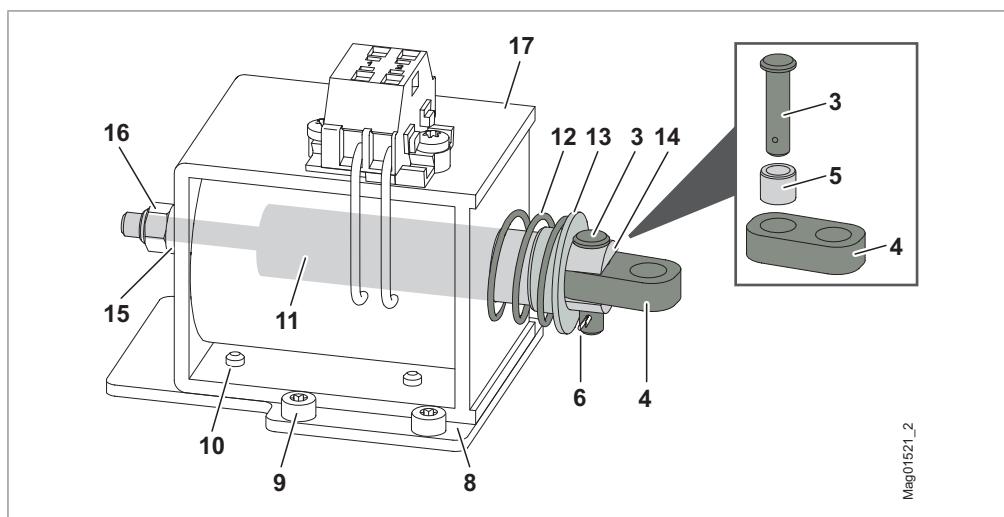


Fig. 74: Magnet configuration "locked when de-energised"

- 1 Magnet in position "locked when de-energised"
- 2 Magnetic fork
- 3 Bolt for magnetic fork
- 4 Splice plate
- 5 Slide bearing
- 6 Pin
- 7 Oblong hole
- 8 Plate for magnet
- 9 Screw ISO14579 M3x8 A2 TX10 (Torx)
- 10 Countersunk screw DIN965 M3x6 A2 TX10 (Torx)
- 11 Armature

3. Rotate the armature (11) and magnetic fork (2) against each other so that the adhesive comes off.
4. Pull the split pin (6) out of the bolt (3).
5. Pull the bolt (3) with the slide bearing (5) out of the splice plate (4).
6. Remove magnetic fork (2).
7. Remove the adhesive and clean the thread.
8. Remove the plate (8) with the magnet (1) from the base plate of the locking unit. To do this, loosen the 4 screws (9).
9. Dismount the magnet (1) from the plate (8). To do this, loosen the countersunk screws (TX10) (10).
10. Turn magnet (1) by 180°.

11. Mount the magnet on the plate (8) using the countersunk screws (10) so that the magnet is flush with the front edge of the plate. The oblong hole (Fig. 74, pos. 7) on the plate (8) is covered.
12. Mount the spacer sleeve (15) and locking nut M4 (16).
13. Pull the split pin (6) out of the bolt (3).
14. Position the splice plate (4) with slide bearing (5) in the fork (14) of the armature (11) so that the bolt (3) can be inserted.
15. Secure bolt (3) with split pin (6).



Mag01521_2

Fig. 75: Result: Magnet configuration "rotating freely when de-energised"

12 Compression spring

13 Slide bearing

14 Fork of the armature

15 Spacer sleeve

16 Locking nut M4

17 Magnet in position "rotating freely when de-energised"

3 Bolts

4 Splice plate

5 Slide bearing

6 Split pin

8 Plate for magnet

9 Screw ISO14579 M3x8 A2 TX10 (Torx)

10 Screw DIN965 M3x6 A2 TX10 (Torx)

11 Armature

16. Check and correct the distance between the locking lever and locking disc.
Correct the distance by turning the locking nut M4 (Fig. 75, pos. 16).

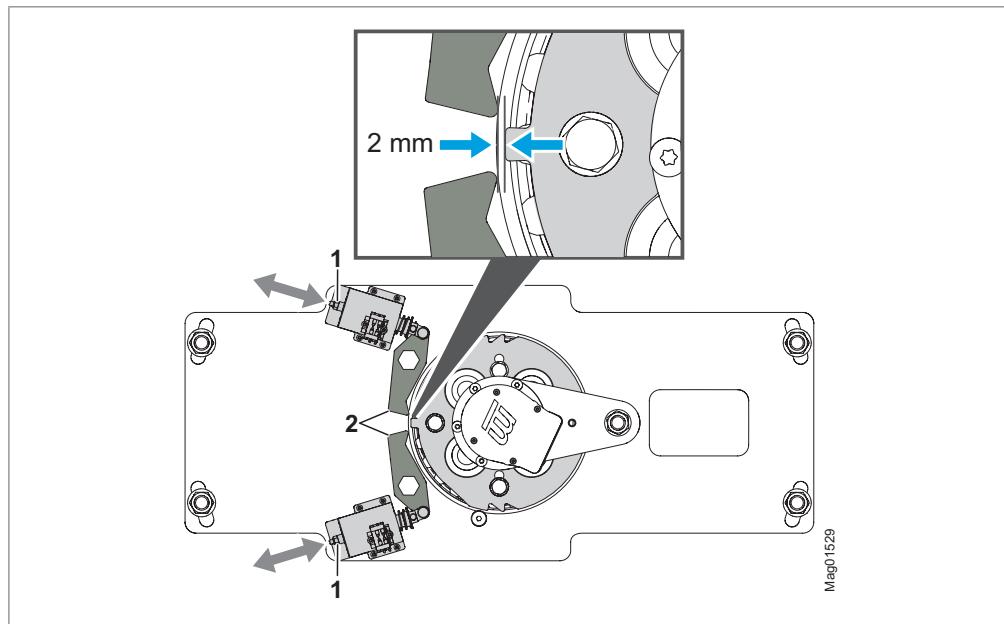


Fig. 76: Set the distance between the locking lever and locking disc,
Locking unit configuration "locked when de-energised"

- 1 Locking nut M4 (magnet)
- 2 Locking lever
- 3 Locking disc

17. Convert the second locking magnet.
18. Parameterise the turnstile for the "rotating freely when de-energised" configuration in the "Gate HW" menu on the control unit MGC. For parameterisation see separate document "Description of control unit MGC (Doc.ID: 58170065)".

17 Customer service

Our customer service can be contacted for any technical advice. Notices concerning the responsible contact person can be retrieved by telephone, fax, email or via the Internet at any time, refer to manufacturer's address on page 2.



IMPORTANT!

In order to enable fast handling note the data of the type plate such as type, serial number, version, etc., before calling.

18 Decommissioning

The pedestrian gate must be taken out of service in the following cases:

- › The pedestrian gate is mounted at a different location.
- › The pedestrian gate is decommissioned for more than 6 months.

If you only want to deactivate the pedestrian gate for a short time, see the “Switching the pedestrian gate on and off” section. ↗ Page 99, chapter 10.3.

18.1 Safety during decommissioning

Qualification of personnel

- › Technician
- › Magnetic service expert

↗ Page 12, chapter 2.3.2.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

18.2 Taking the pedestrian gate out of service

1. Switch off the pedestrian gate. ↗ Page 99, chapter 10.3.
2. Disconnect the pedestrian gate from the power supply.
3. If necessary, dismount the pedestrian gate.
4. Store the pedestrian gate or its components correctly. ↗ Page 40, chapter 5.4.

19 Dismounting and disposal

19.1 Safety during dismounting and disposal

Qualification of personnel

- › Technician
- › Magnetic service expert

↗ Page 12, chapter 2.3.2.

Personal protective equipment

Wear the following personal protective equipment:

- › Work clothes
- › Protective gloves
- › Safety shoes
- › Protective helmet.

19.2 Dismounting and disposal of the system

Requirements

- › The pedestrian gate is out of order. ↗ Page 116, chapter 18.2.
- 1. Disassemble the pedestrian gate into individual components.
- 2. Recycle parts by type and material. Dispose of non-recyclable materials in an environmentally friendly manner. Observe local and national laws and guidelines.

✓ The pedestrian gate is dismounted and disposed of.

EU-Declaration of Conformity



The manufacturer MAGNETIC AUTOCONTROL GmbH hereby declares for the product supplied by him:

Designation	Full height swing door
Type	MPG-362 / MPG-372
From serial number	A00000001

The conformity according to:

Directive 2006/42/EC (Machine directive) amended by **2009/127/EC**

Directive 2014/30/EU (EMC directive)

Directive 2011/65/EU (RoHS 2 directive)

Applied harmonised standards (or parts hereof):

EN ISO 12100:2010

Safety of machinery – General principles for design – Risk assessment and risk reduction

EN 60204-1:2018

Safety of machinery – Electrical equipment of machines – Part 1: Specifications for general requirements

EN 61000-6-2:2005/AC:2005

Electromagnetic compatibility (EMC) – Part 6-2: Generic standard – Immunity for industrial environments

EN 61000-6-3:2007/A1:2011/AC:2012

Electromagnetic compatibility (EMC) – Part 6-3: Generic standard – Emission standard for residential, commercial and light-industrial environments

EN ISO 13849-1:2015

Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design

DIN EN 17352:2022-08 (EN 17352:2022-08)

Power operated pedestrian entrance control equipment – Safety in use – Requirements and test methods

This declaration is not a guarantee of characteristics in the sense of product liability law. The safety regulations of the operating instructions have to be observed.

MAGNETIC AUTOCONTROL GmbH
 Im Entenbad 25
 79541 Lörrach

Documentation Engineer
 Mr. Stefan Wellinger

Lörrach, 11/08/2025
 Place and date

Signature



Index

A

Access-control devices	
Connect	96
Installing	96
Attachment material	45

B

Base	33, 34
Base for revolving wing	31, 32, 33, 34
Base frame	46

C

Changes	11
Cleaning	101, 102
Commissioning	98
Connection block	31, 32
Control lines	
Connect	95
Control unit MGC	
Technical data	30
Corrective action	105
Cover	31, 32, 33, 34
Close	90
Open	90
Customer service	115

D

Decommissioning	116
Design	
MPG-362 with handrail	32
MPG-362 without handrail	31
MPG-372 with handrail	34
MPG-372 without handrail	33
Dimensions	18
MPG-362 with handrail	20
MPG-362 without handrail	18
MPG-372 with handrail	26
MPG-372 without handrail	23
Dismounting	117
Disposal	117

E

Earthing	
Cover	16
Service door	16
Support beam	16
Electrical connection	88
Check	97
Technical data	29

Emergency opening..... 96

Emissions..... 29

Empty conduit plan

MPG-362 with handrail	52
MPG-362 without handrail	51
MPG-372 with handrail	54
MPG-372 without handrail	53

Empty conduits

Requirements	50
--------------	----

Entry

Definition	36
------------	----

EU Declaration of Conformity..... 118

Exit

Definition	36
------------	----

F

Floor bearing	31, 32, 33, 34
Foundation	
Build	50
Requirements	47, 48, 49
Foundation plan	
MPG-362 with handrail	52
MPG-362 without handrail	51
MPG-372 with handrail	54
MPG-372 without handrail	53
Function	35

H

Handrail	32, 34
----------	--------

I

Illumination	31, 32, 33, 34
Induction loops	32, 34
Connect	95
Intended use	10

L

Locking	
Converting	106

M

Magnet	
RL1	107
RL2	107
Magnetic service expert	12
Mains cable	
Connect	93
Maintenance schedule	103
Misuse	10
Modifications	11

Mounting.....	44	T	
Mounting pillar.....	80	Target groups.....	11
MPG-362	56	Technical data.....	18
MPG-372	62	Technician.....	12
Revolving wing	70	Transport	40
Mounting pillar.....	33, 34	Transport equipment operator.....	12
Mounting.....	80	Twilight switch.....	31, 32, 33, 34
Mounting wrench MONWE100.....	77	Type plate	43
N			
Notice		U	
Illustration	8, 9	Unpacking.....	41
O			
Operating conditions.....	29	W	
Operation	100	Warning Notes	
Operator	12	Illustration	8
Responsibility	11	Z	
P			
Parameterisation	99	ZC (zone controlled)	36, 37
Personal protective equipment	13	ZNC (zone not controlled)	36, 37
Personnel		Zone controlled (ZC)	36, 37
Qualification	12	Zone not controlled (ZNC)	36, 37
Protective devices			
Install.....	89		
Q			
Qualification			
Personnel	12		
R			
Receipt of goods.....	38		
Repair	105		
Revolving wing.....	31, 32, 33, 34		
Mounting.....	70		
S			
Safety.....	10		
Scope of delivery	42		
Service door	31, 32, 33, 34		
Close.....	90, 92		
Open.....	90, 92		
Sleeves with inner thread.....	51, 52, 53, 54		
Spare parts	105		
Storage	40		
Support beam.....	31, 32, 33, 34		
Close.....	90		
Open.....	90		
Switching off.....	99		
Switching on	99		

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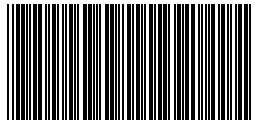
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