



Pedestrian Barriers Magstop

Pivot MPP 12/13/10

Technical Data:	Typ	MPP 12	MPP 13	MPP 10
Voltage	VAC	230	230	–
Frequency	Hz	50	50	–
Current	A	0,25	2,5	–
Duty cycle	%	100	100	100
Protection	IP	54	54	54
Weight	kg	45	45	45

Description

The MPP 12 series pivot barriers are designed to control pedestrians entering or exiting restricted areas, usually under surveillance, in low security situations.

This design provides a cost effective, anti-tailgating solution with a bar rotation of 3 x 120 degrees. This model of a tri-arm design can be used in bi-directional control applications with high volume pedestrian traffic. A typical throughput of up to 40 people per minute is possible.

- Railway platforms
- Airports
- Passenger terminals
- Sport Stadiums
- Factories
- Swimming pools
- Museums

Housing

The housing is made of 2 mm zinc plated, phosphate coated, sheet metal and powder coated RAL 7042 grey. Optional RAL colours are available if required. Stainless steel housings are also available in either 304 or 316 with a brush finish. The three rotating arms are made from 38 mm diameter highly polished stainless steel. The lower part of the turnstile housing is made from stainless steel to provide the highest protection against corrosion, where the turnstile is bolted to the floor. Access to the MUC Controller is provided through a door at the front of the lower body that is secured with a water-protected lock. The positioning drive unit is mounted in the upper part of the housing.

Technology

MPP 12 motor driven

The pivot barrier MPP12 is operated by our well-known motor technology. The drive system with locking device consists of a 3-phase Magnetic Torque Motor which is controlled by our MUC (Magnetic Universal Controller). The pre-programmed allowable speed is compared with the actual speed so that the controller provides the optimal power to frequency ratio to the torque motor. On power failure the turnstile arms can be turned freely.

MPP 13 electromechanical

The pivot barrier MPP13 contains an electromechanical locking device consisting of a cam plate, hydraulic damper and two solenoids. This unit is controlled by the controller MSC10 E-100, developed by Magnetic for this application. After release of the opening pulse the turnstile will immediately unlock. The bar rotation of 120° is done easily by hand. Afterwards the turnstile arm locks again. On power failure the turnstile arms can be turned freely.

MPP 10 mechanical

The pivot barrier MPP10 contains a simple mechanical locking device. By means of this device one passage direction is always locked and the opposite direction is free. Typical applications are, for example, exit of a recreational park, swimming pools or similar.

Option (for MPP 12 only)

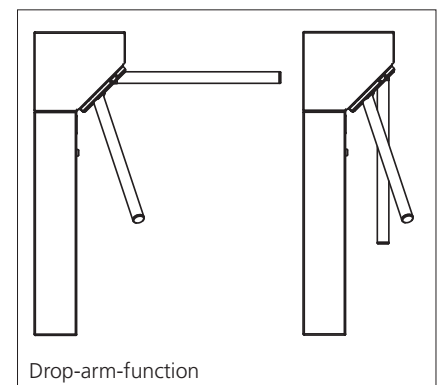
Drop arm

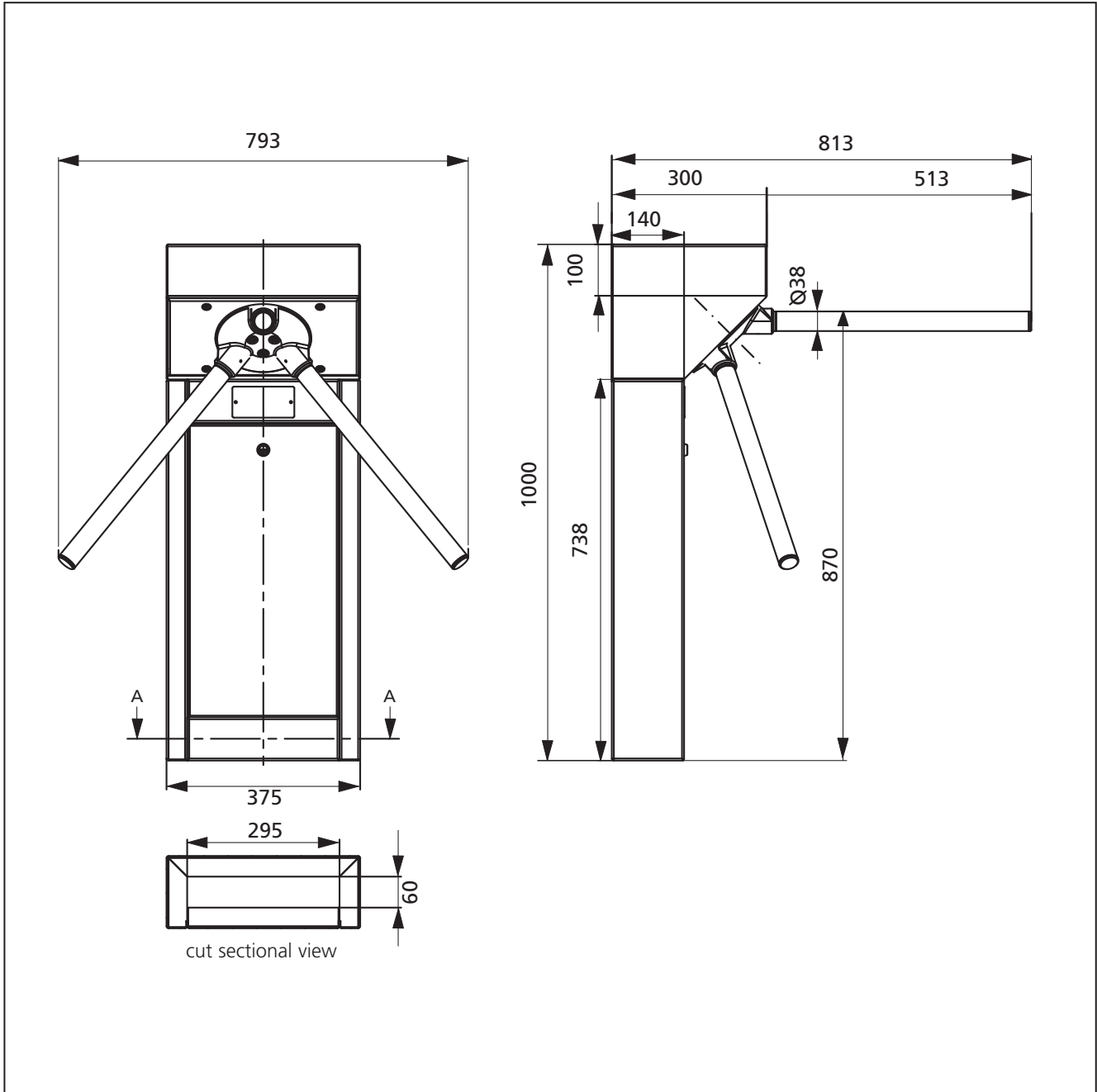
Upon power failure or separate command the locked arm will drop to provide unobstructed access through the turnstile. Posi-

tioning the arm back at its correct and locked position is done manually.

Built-on housing for the adaption of access control device like:

- electronic coin reader
- card reader, etc.







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Technology

MPP 12 motor driven

The pivot barrier MPP12 is operated by our well-known motor technology. The drive system with locking device consists of a 3-phase Magnetic Torque Motor which is controlled by our MUC (Magnetic Universal Controller). The pre-programmed allowable speed is compared with the actual speed so that the controller provides the optimal power to frequency ratio to the torque motor. On power failure the turnstile arms can be turned freely.

MPP 13 electromechanical

The pivot barrier MPP13 contains an electromechanical locking device consisting of a cam plate, hydraulic damper and two solenoids. This unit is controlled by the controller MSC10 E-100, developed by Magnetic for this application. After release of the opening pulse the turnstile will immediately unlock. The bar rotation of 120° is done easily by hand. Afterwards the turnstile arm locks again. On power failure the turnstile arms can be turned freely.

MPP 10 mechanical

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Option (for MPP 12 only)

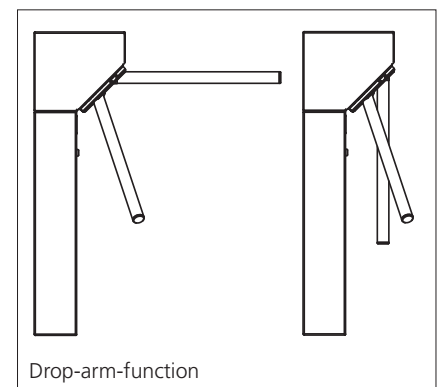
Drop arm

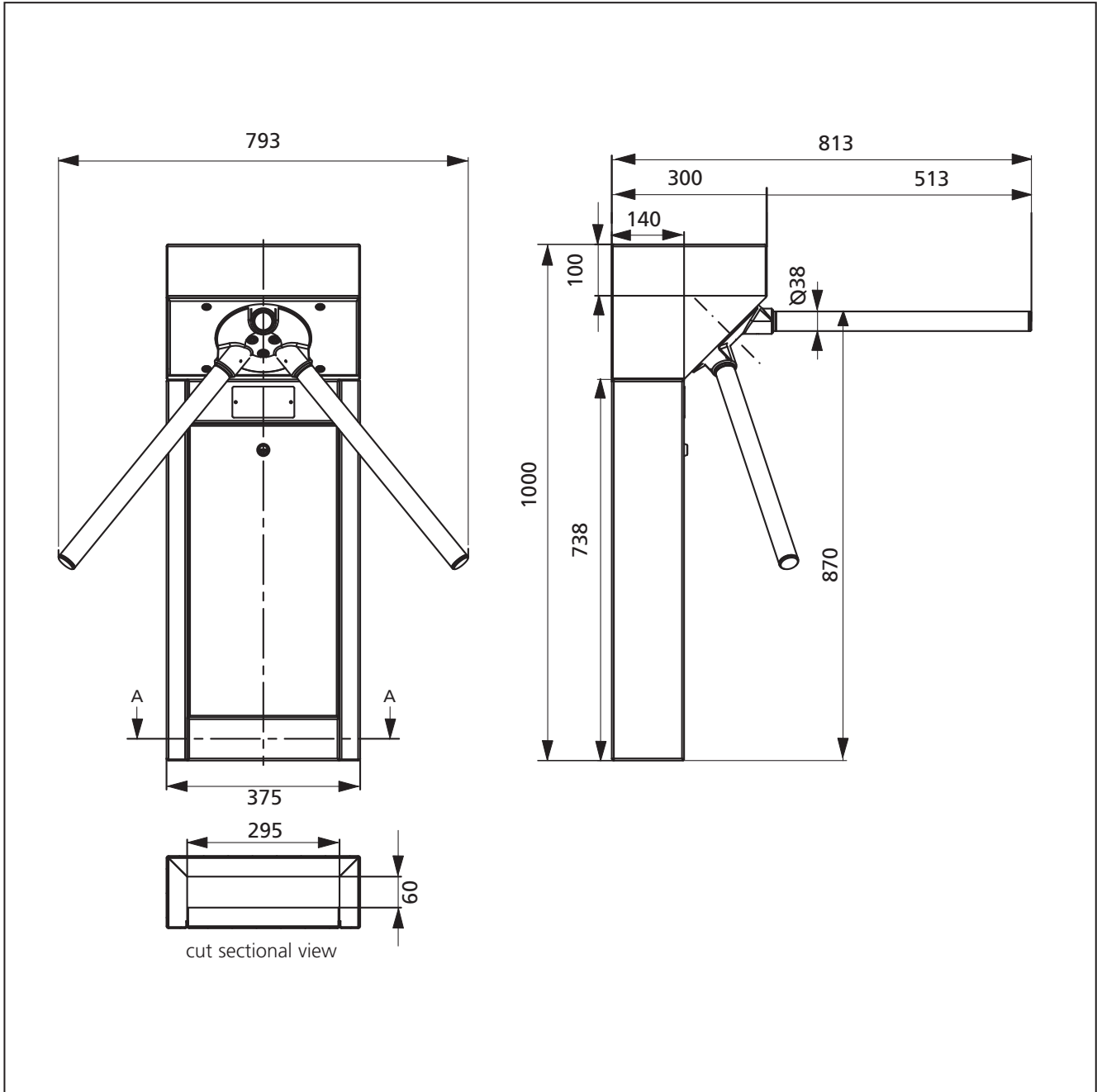
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Built-on housing for the adaption of access control device like:

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- Sport Stadiums
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Technology

MPP 12 motor driven

The pivot barrier MPP12 is operated by our well-known motor technology. The drive system with locking device consists of a 3-phase Magnetic Torque Motor which is controlled by our MUC (Magnetic Universal Controller). The pre-programmed allowable speed is compared with the actual speed so that the controller provides the optimal power to frequency ratio to the torque motor. On power failure the turnstile arms can be turned freely.

MPP 13 electromechanical

The pivot barrier MPP13 contains an electromechanical locking device consisting of a cam plate, hydraulic damper and two solenoids. This unit is controlled by the controller MSC10 E-100, developed by Magnetic for this application. After release of the opening pulse the turnstile will immediately unlock. The bar rotation of 120° is done easily by hand. Afterwards the turnstile arm locks again. On power failure the turnstile arms can be turned freely.

MPP 10 mechanical

The pivot barrier MPP10 contains a simple mechanical locking device. By means of this device one passage direction is always locked and the opposite direction is free. Typical applications are, for example, exit of a recreational park, swimming pools or similar.

Option (for MPP 12 only)

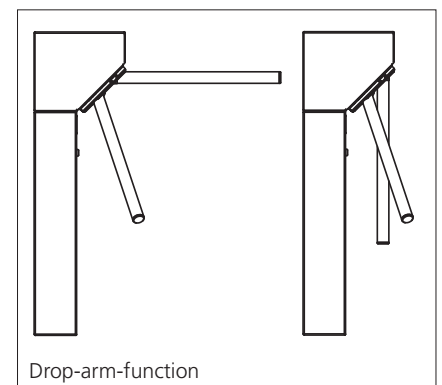
Drop arm

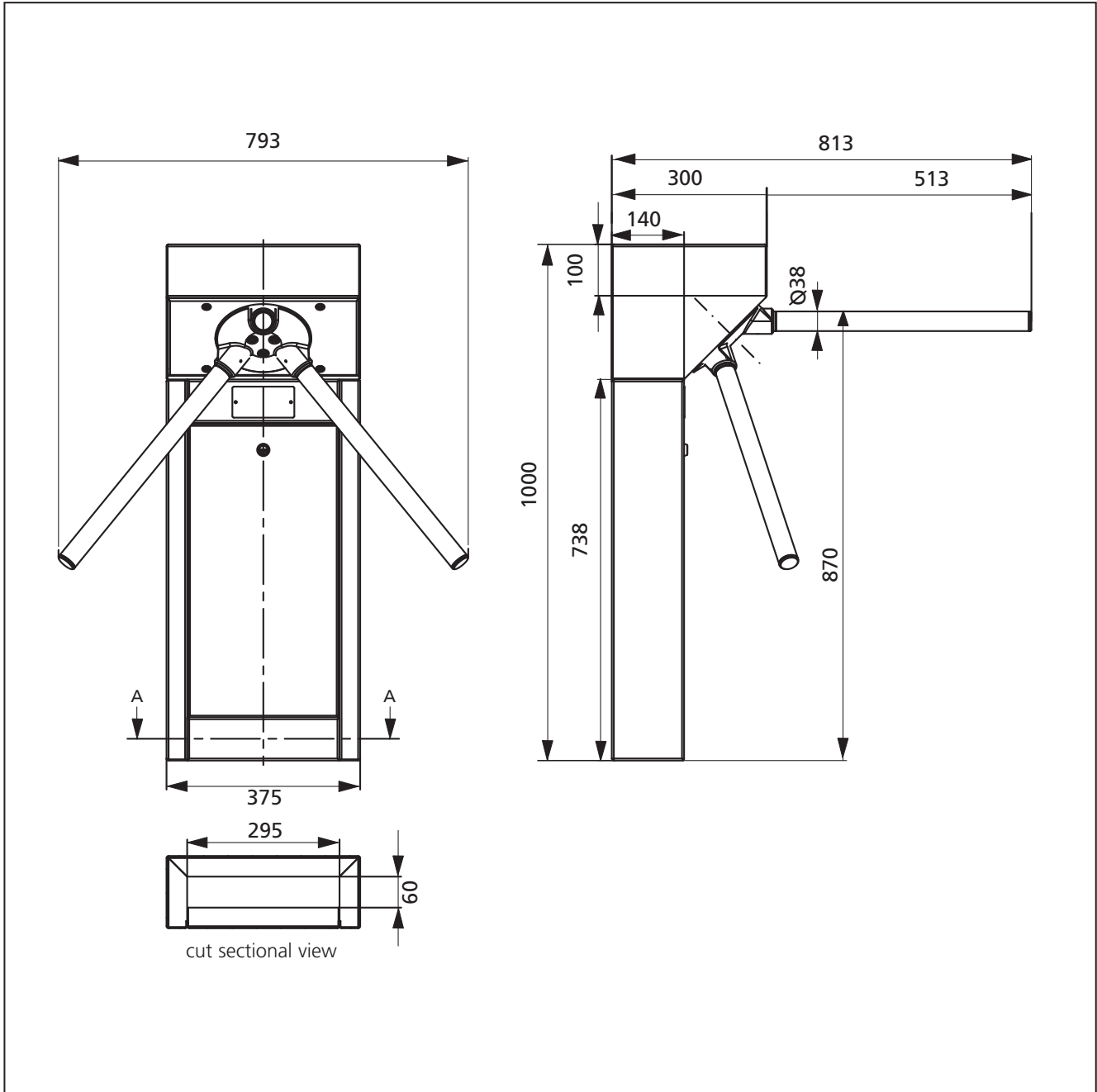
Upon power failure or separate command the locked arm will drop to provide unobstructed access through the turnstile. Posi-

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Built-on housing for the adaption of access control device like:

- electronic coin reader
- card reader, etc.







Pedestrian Barriers Magstop

Pivot MPP 22/23/20

Technical Data:

Voltage	VAC
Frequency	Hz
Current	A
Duty Cycle	%
Protection	IP
Weight	kg

MPP 22

240
50
0.25
100
54
75

MPP 23

240
50
2.5
100
54
75

MPP 20

–
–
–
100
54
75

Description

The MPP 22 series of pivot barriers are designed to control pedestrians entering or exiting low security controlled areas. This model of a tri-arm design can be used in bi-directional control applications with high volume pedestrian traffic. This unit has been designed to provide a cost effective anti-tailgating pedestrian solution utilising a tri-arm bar configuration with 3 x 120° movement.

Application

- Railway Platforms
- Airports
- Passenger terminals
- Sports Stadiums
- Factories
- Swimming pools
- Museums

Housing

The housing is constructed from 2mm zinc plated sheet metal and powder coated in RAL 7042 grey. Optional RAL colours are available upon request. Housings are also available in either 304 or 316 grade stainless steel with a brushed finish. The three rotating arms are made from 34 mm diameter highly polished stainless steel. Two removable doors located in the lower section of the housing enable easy access to allow the unit to be easily installed on any surface.

Access to the barrier's MUC Controller is provided via a removable access panel, located directly adjacent to the tri-arm assembly.

This access panel is secured with a water proof lock. The self positioning drive unit and tri-arm assembly are mounted in the middle section of the upper housing.

An additional door in the upper part of the housing enables easy installation of access control equipment such as card readers.

Technology

MPP 22 motor driven

The MPP 22 pivot barrier is operated by our well-known motor drive technology.

The drive system incorporates our 3-phase Magnetic Torque Motor and self locking system which are controlled by our Magnetic Universal Controller (MUC).

The rotation speed of the tri-arm assembly is pre-programmable and is compared with the actual speed. The MUC Controller in turn provides the optimum power to frequency ratio to the torque motor which assists the user in the rotation of the arm. In the event of power failure the self locking system will release and the tri-arm assembly can be turned freely.

MPP 23 electromechanical

The pivot barrier MPP23 contains an electromechanical locking device consisting of a cam plate, hydraulic damper and two solenoids. This unit is controlled by the controller MSC10 E-100, developed by Magnetic for this application. After release of the opening pulse the turnstile will immediately unlock. The bar rotation of

120° is done easily by hand. Afterwards the turnstile arm locks again. On power failure the turnstile arms can be turned freely.

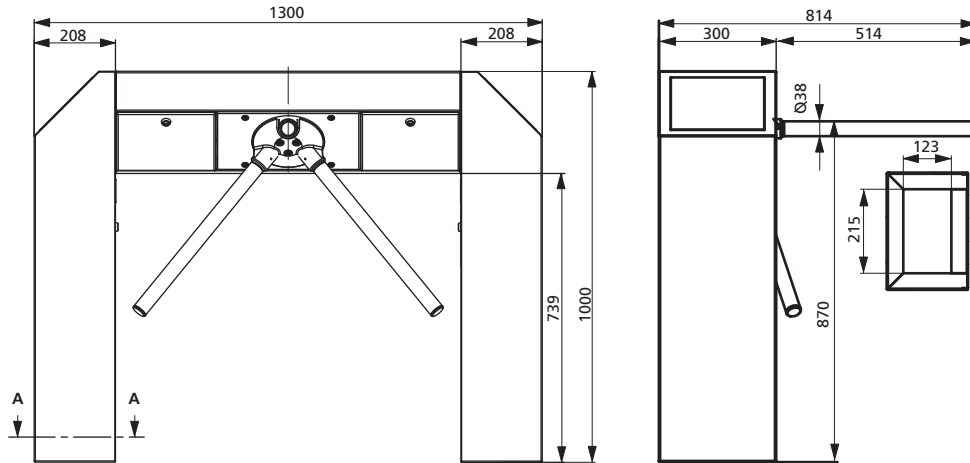
MPP 20 mechanical

The MPP 20 pivot barrier contains a simple but highly robust mechanical locking device. This device allows for free passage in one direction only, and is locked in the opposite direction. Typical applications are for the control of pedestrians exiting particular venues such as recreational parks, swimming pools or similar.

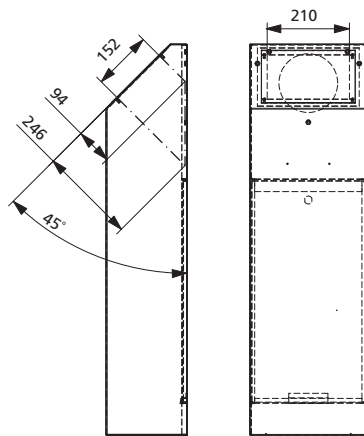
Option (for MPP 22)

Drop arm function

Upon power failure or specific input command, the locked horizontal arm would drop to provide unobstructed access through the turnstile. The dropped arm is simply raised to the horizontal position by hand to return it to the locked position.



Section A-A





Pedestrian Barriers Magstop

Pivot MPP 22/23/20

Technical Data:

Voltage	VAC
Frequency	Hz
Current	A
Duty Cycle	%
Protection	IP
Weight	kg

MPP 22

240
50
0.25
100
54
75

MPP 23

240
50
2.5
100
54
75

MPP 20

–
–
–
100
54
75

Description

The MPP 22 series of pivot barriers are designed to control pedestrians entering or exiting low security controlled areas. This model of a tri-arm design can be used in bi-directional control applications with high volume pedestrian traffic. This unit has been designed to provide a cost effective anti-tailgating pedestrian solution utilising a tri-arm bar configuration with 3 x 120° movement.

Application

- Railway Platforms
- Airports
- Passenger terminals
- Sports Stadiums
- Factories
- Swimming pools
- Museums

Housing

The housing is constructed from 2mm zinc plated sheet metal and powder coated in RAL 7042 grey. Optional RAL colours are available upon request. Housings are also available in either 304 or 316 grade stainless steel with a brushed finish. The three rotating arms are made from 34 mm diameter highly polished stainless steel. Two removable doors located in the lower section of the housing enable easy access to allow the unit to be easily installed on any surface.

Access to the barrier's MUC Controller is provided via a removable access panel, located directly adjacent to the tri-arm assembly.

This access panel is secured with a water proof lock. The self positioning drive unit and tri-arm assembly are mounted in the middle section of the upper housing.

An additional door in the upper part of the housing enables easy installation of access control equipment such as card readers.

Technology

MPP 22 motor driven

The MPP 22 pivot barrier is operated by our well-known motor drive technology.

The drive system incorporates our 3-phase Magnetic Torque Motor and self locking system which are controlled by our Magnetic Universal Controller (MUC).

The rotation speed of the tri-arm assembly is pre-programmable and is compared with the actual speed. The MUC Controller in turn provides the optimum power to frequency ratio to the torque motor which assists the user in the rotation of the arm. In the event of power failure the self locking system will release and the tri-arm assembly can be turned freely.

MPP 23 electromechanical

The pivot barrier MPP23 contains an electromechanical locking device consisting of a cam plate, hydraulic damper and two solenoids. This unit is controlled by the controller MSC10 E-100, developed by Magnetic for this application. After release of the opening pulse the turnstile will immediately unlock. The bar rotation of

120° is done easily by hand. Afterwards the turnstile arm locks again. On power failure the turnstile arms can be turned freely.

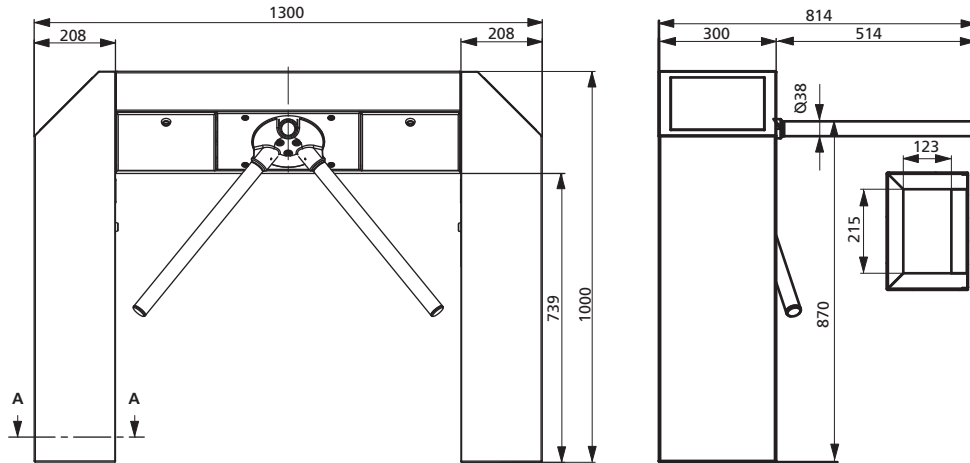
MPP 20 mechanical

The MPP 20 pivot barrier contains a simple but highly robust mechanical locking device. This device allows for free passage in one direction only, and is locked in the opposite direction. Typical applications are for the control of pedestrians exiting particular venues such as recreational parks, swimming pools or similar.

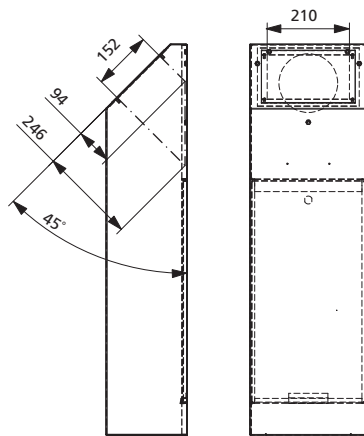
Option (for MPP 22)

Drop arm function

Upon power failure or specific input command, the locked horizontal arm would drop to provide unobstructed access through the turnstile. The dropped arm is simply raised to the horizontal position by hand to return it to the locked position.



Section A-A





Pedestrian Barriers Magstop

Pivot MPP 22/23/20

Technical Data:

Voltage	VAC
Frequency	Hz
Current	A
Duty Cycle	%
Protection	IP
Weight	kg

MPP 22

240
50
0.25
100
54
75

MPP 23

240
50
2.5
100
54
75

MPP 20

–
–
–
100
54
75

Description

The MPP 22 series of pivot barriers are designed to control pedestrians entering or exiting low security controlled areas. This model of a tri-arm design can be used in bi-directional control applications with high volume pedestrian traffic. This unit has been designed to provide a cost effective anti-tailgating pedestrian solution utilising a tri-arm bar configuration with 3 x 120° movement.

Application

- Railway Platforms
- Airports
- Passenger terminals
- Sports Stadiums
- Factories
- Swimming pools
- Museums

Housing

The housing is constructed from 2mm zinc plated sheet metal and powder coated in RAL 7042 grey. Optional RAL colours are available upon request. Housings are also available in either 304 or 316 grade stainless steel with a brushed finish. The three rotating arms are made from 34 mm diameter highly polished stainless steel. Two removable doors located in the lower section of the housing enable easy access to allow the unit to be easily installed on any surface.

Access to the barrier's MUC Controller is provided via a removable access panel, located directly adjacent to the tri-arm assembly.

This access panel is secured with a water proof lock. The self positioning drive unit and tri-arm assembly are mounted in the middle section of the upper housing.

An additional door in the upper part of the housing enables easy installation of access control equipment such as card readers.

Technology

MPP 22 motor driven

The MPP 22 pivot barrier is operated by our well-known motor drive technology.

The drive system incorporates our 3-phase Magnetic Torque Motor and self locking system which are controlled by our Magnetic Universal Controller (MUC).

The rotation speed of the tri-arm assembly is pre-programmable and is compared with the actual speed. The MUC Controller in turn provides the optimum power to frequency ratio to the torque motor which assists the user in the rotation of the arm. In the event of power failure the self locking system will release and the tri-arm assembly can be turned freely.

MPP 23 electromechanical

The pivot barrier MPP23 contains an electromechanical locking device consisting of a cam plate, hydraulic damper and two solenoids. This unit is controlled by the controller MSC10 E-100, developed by Magnetic for this application. After release of the opening pulse the turnstile will immediately unlock. The bar rotation of

120° is done easily by hand. Afterwards the turnstile arm locks again. On power failure the turnstile arms can be turned freely.

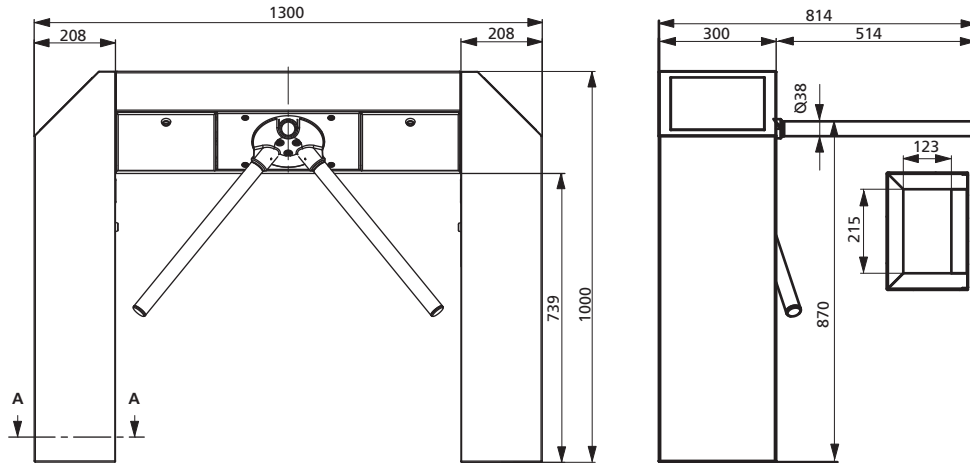
MPP 20 mechanical

The MPP 20 pivot barrier contains a simple but highly robust mechanical locking device. This device allows for free passage in one direction only, and is locked in the opposite direction. Typical applications are for the control of pedestrians exiting particular venues such as recreational parks, swimming pools or similar.

Option (for MPP 22)

Drop arm function

Upon power failure or specific input command, the locked horizontal arm would drop to provide unobstructed access through the turnstile. The dropped arm is simply raised to the horizontal position by hand to return it to the locked position.



Section A-A

