



**ArmaKontrol**

G l o b a l  
**Barrier Brand**



**BARRIER AND SECURITY SYSTEMS  
BRAND OF THE YEAR 2019**





**ArmaKontrol**

# **LEADER BRAND**

## **Awards Of Turkey**



THIS **SUCCESS** BELONGS TO ALL OF US  
**BARRIER AND SECURITY SYSTEMS**  
**BRAND OF THE YEAR 2019**







## INTRODUCTION

While establishing Arma Kontrol in 2006, our goal was to ensure that the whole world recognize the name of a Turkish company in the security sector. When we look at our past for 14 years, we can see the logo of Arma Kontrol in different projects not only in Turkey but also in many countries of the world as well. As one of the most prominent companies in the industry, where we have completed our productions, we are constantly working and developing with our security barrier system to make our living spaces more reliable.

We also show our quality with international certifications. We are proud of being the first Turkish company that has been developed by Turkish engineers and has the certificates of Road Blocker and Rising Bollard produced in Turkey. Thousands of projects from public institutions to historical sites, airports to tunnels, banks to shopping centers, from industrial zones in Turkey to the construction sector, our products are shown with the aim of creating more reliable environment. We take our sustainable cooperation not only with our products but also with our aftersales service as our priorities. We are proud of being a Turkish brand and we share with our customers the excitement of being a rapidly growing brand demanded in the global area.

We show you the work we have done to keep up the momentum of success that has been rising since our establishment. We will proceed with our valued business partners step by step to become a brand that makes a name from around the world by adding innovations to our success.



# OUR POWER HAS BEEN APPROVED!



Crash Test - M50 Rating  
American Certification ASTM F2656-07  
Performed at Aisico SRL.  
Crash Test Center, Pereto (Aq) - Italy



Crash Test - M40 Rating  
American Certification ASTM F2656-07  
Performed at Aisico SRL.  
Crash Test Center, Pereto (Aq) - Italy



Crash Test - Rating PAS68:2013  
British Test Standards  
Performed at Aisico SRL.  
Crash Test Center, Pereto (Aq) - Italy






Crash Test - Rating IWA 14-1:2013  
International Workshop Agreement  
Performed at Aisico SRL.  
Crash Test Center, Pereto (Aq) - Italy

The Ministry of Transport, Department of Land Transport, The Directorate General of Motors, the Italian agency is responsible for defining the electrical and/or mechanical equipment that is installed on all public roads in Italy.

Arma Kontrol products were the first in Italy to exceed the stringent testing and inspections carried out by the aforementioned Ministry, obtaining two approvals that formalise the installation of Arma Kontrol bollards on all Italian public roads.

## PAS68 / K12-ASTM / IWA

Comparing the UK, USA and International Specifications

	<div>BRITISH TEST STANDARDS</div> <div></div> <div>7.5t</div>	<div>USA TEST STANDARDS</div> <div></div> <div>6.8t</div>		<div>INTERNATIONAL TEST STANDARDS</div> <div></div> <div>7.5t</div>
Test Method	PAS68	DOS-K12	ASTM M50	IWA 14-1
Vehicle Category	Truck with 7.5t gross vehicle weight	Truck with 6.8t gross vehicle weight	Truck with 6.8t gross vehicle weight	Truck with 7.5t gross vehicle weight
Vehicle weight in tons, kilograms and pounds	7.5 tons 7500 kg 15000lbs	6.8 tons 6800 kg 15000lbs	6.8 tons 6800 kg 15000lbs	12 tons 12000 kg 24000lbs
Vehicle Speed (km/h)	80	80	80	80
Vehicle Speed (mph)	50	50	50	50
Impact Energy in KJ	1852	1695	1695	2988





# IWA 14.1 & 14.2

International Workshop Agreement

A new international ISO International Workshop Agreement that combines and updates elements from PAS68, PAS69, ASTM F 2656 and CWA 16221, as well as new content.

## PART 1: PERFORMANCE

The vehicle impact test method and performance rating.

IWA 14-1:2013 is the International Workshop Agreement which specifies the essential impact performance requirement for a vehicle security barrier (VSB) and a test method for rating its performance when subjected to a single impact by a test vehicle not driven by a human being.

## PART 2: APPLICATION

IWA 14-2:2013 provides guidance for the selection, installation and use of vehicle security barriers (VSB) and describes the process of producing operational requirements (OR). It also gives guidance on a design method for assessing the performance of a VSB.



# BSI PAS68

British Standards Institute Publicly Available Specification

BSI PAS68 is the latest BSI's Publicly Available Specification for vehicle security barriers. It has become the UK's standard and the security industry's benchmark for HVM (Hostile Vehicle Mitigation) equipment, and is the specification against which perimeter security equipment is tested as part of the ongoing research to prevent VBIED (Vehicle Bom Improvised Explosive Device) attacks. BSI PAS68 complements this specification by providing guidance on the installation of the tested product.

The ratings and specifications illustrate the different levels of BSI PAS68. The importance of after sales and who should maintain your equipment is another aspect which should be considered. BSI PAS68 should be considered to ensure this equipment is installed correctly.

France and Australia have adopted the British PAS68 specification.



# ASTM AND DEPARTMENT OF STATE K12

Standards for the United States of America

## ASTM (previously K12 standard) Designation: F 2656-07

Standard Test Method for Vehicle Crash Testing of Perimeter Barriers. This standard superseded the Department of State K ratings, as explained below:

**M50-P1 = 6.8t @ 80kph**  
(K12) (15,000lbs @ 50mph)

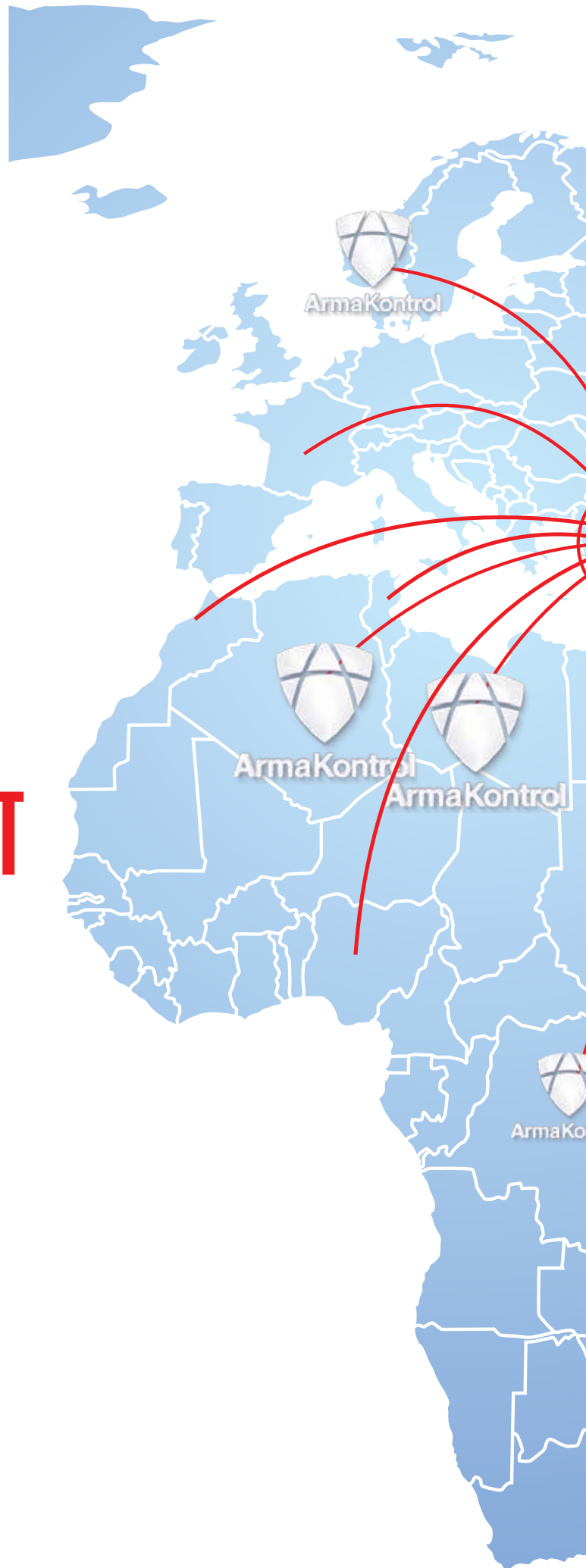
**M40-P1 = 6.8t @ 64kph**  
(K8) (15,000lbs @ 40mph)

**M30-P1 = 6.8t @ 48kph**  
(K4) (15,000lbs @ 30mph)

M	50	P1
Test Vehicle (i.e Medium duty truck 6800kg)	Test Speed (mph)	Penetration (i.e 23-98ft)
M	50	P1 ≤ 1m (3.3ft)
M	40	P2 1 to 7m (3.3ft to 23.1ft)
M	30	P3 7 to 30m (23.1ft to 98.4ft)
M	20	P4 30m



14 YEARS,  
52 COUNTRIES,  
4000 COMPANIES  
**AND THIS IS JUST  
THE BEGINNING**



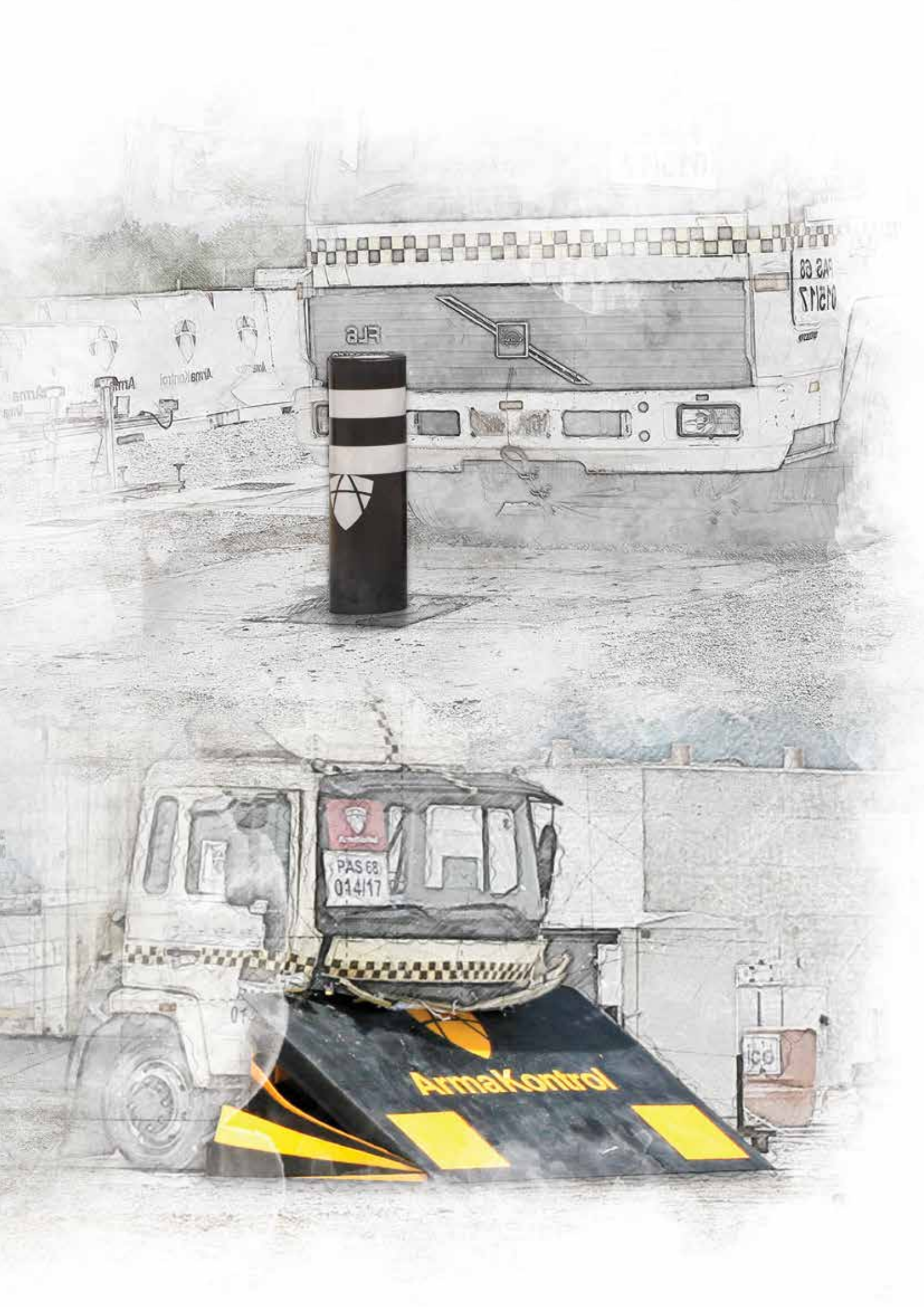




# *Anti-Terror Barrier Systems* **ARMAKONTROL**







# ANTI-TERROR HIGH SECURITY ROAD BLOCKER

## ATRB-3110 Series

Road blocker is the most commonly-used system in the areas such as military facilities, government buildings, embassies, production facilities, oil refineries, hotels, airports and stadiums where the entries-exits must be made in a controlled and safe manner against any vehicle attacks.

The system's case is designed as resistant to hits by vehicles, and all relevant components of the systems are strengthened against any attacks. Arma Kontrol Blocker Systems work uninterruptedly even at the highest-density places thanks to the hydraulic operation system. This system is synchronized with the rising bollard and other safety systems, and keeps the defense at the maximum level in case of possible attacks, and thus ensures the secure entrance of the vehicles into relevant areas.

**Patent No 2012/13979**



### Technical Specifications

Road Blocker Height	1100mm
Road Blocker Width Options	2000mm to 6000mm
Wall Thickness	Side blades 20 mm, Top sheet 10 mm, Front sheet 4 mm
Material of the Moving Part	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	3-15 kw
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	6-9 sec.
Axle Load	30 Tons
Impact Resistant (without deformation)	2.988 KJ
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25°C - +50°C
Protection Class	IP 67

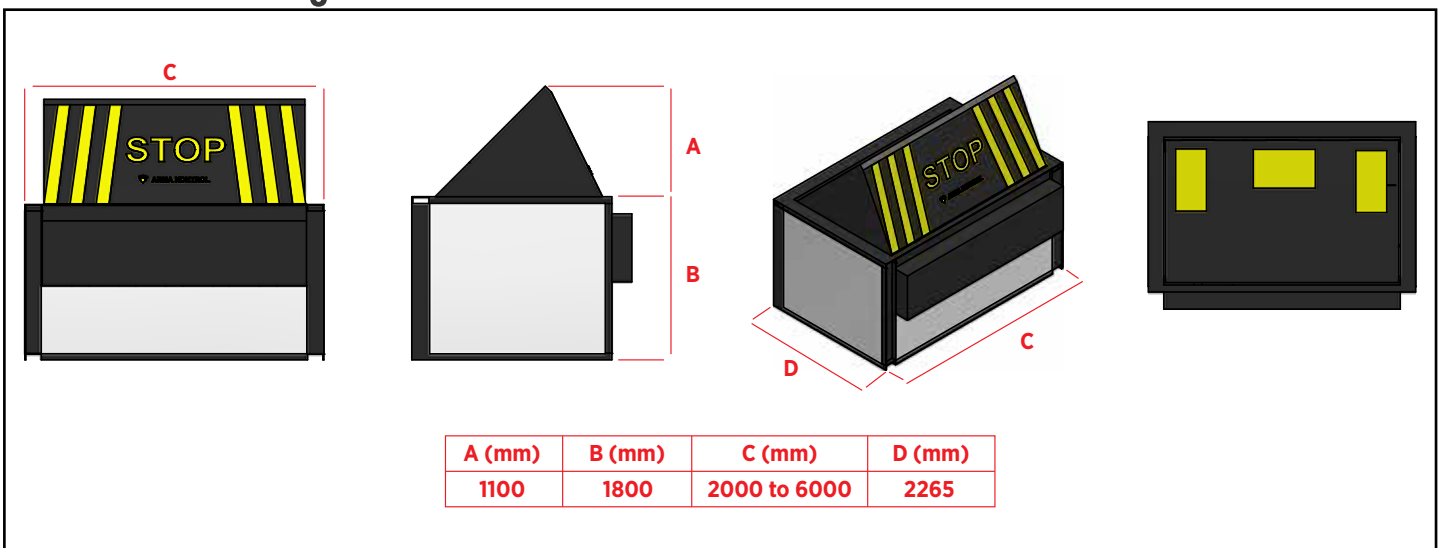
### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40°C to +75°C
Hydraulic System Heating – Cooling	Available
Warning Equipment	Flasher - Traffic Light - Buzzer
EFO (Emergency Fast Operation)	1.5 – 2 sec.
System Security Support	Safety Photocell
UPS (Back-up Power System)	In Case of Power Failure

### Images



### Technical Drawing





# ANTI-TERROR HIGH SECURITY ROAD BLOCKER

## 12.000 kg - 80 km/h

Arma Kontrol High Security Road Blocker is specially designed to prevent passage of any unauthorized vehicles with high security system and it is strengthened against attacks.

Anti-Terror Road Blocker, 12.000 kg (12 Tons) truck crashed at speed of 80 Km/h in a crash test in Europe, then stopped the truck and continued to function without any problems afterwards. Therefore we are internationally certified.

Arma Kontrol is the first Turkish company that passed IWA14-1, ASTM, PAS68 crash tests and became entitled to get P1 certificate.

Standards : ASTM F2656-15 C750-K12  
PAS68 2013- N3 7500-80  
IWA 14-1:2013 N3D 12000- 80





# ANTI-TERROR HIGH SECURITY TELESCOPIC ROAD BLOCKER

## ATT-RB Series

Telescopic Road Blocker systems are specially produced and suitable for areas where there is a risk and infrastructure problem.

Telescopic Road Blockers are preferred in military installations, security units and lodgings, consulates and public buildings, all of which require high security precautions but with infrastructure problems.

As in Road Blocker systems, Telescopic Road Blocker systems have also been strengthened to prevent unauthorized vehicle entry.



### Technical Specifications

Road Blocker Height	1050mm
Road Blocker Width Options	2000mm to 4000mm
Wall Thickness	12-15mm
Material Type of Moving Part	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	1.5-15 KW
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	6-8 sec.
Axle Load	30 Tons
Impact Resistant (without deformation)	1.897 KJ
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67

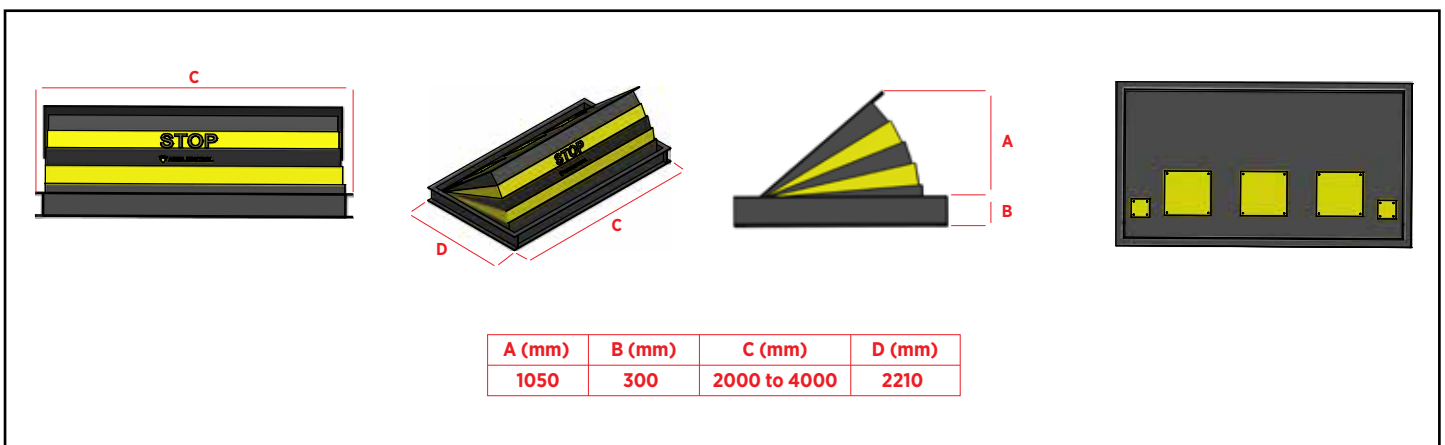
### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40° C to +75° C
Hydraulic System Heating – Cooling	Available
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	1.5 – 2 sec.
System Security Support	Safety Photocell

### Images



### Technical Drawing



# ANTI-TERROR HIGH SECURITY TELESCOPIC ROAD BLOCKER

## 7.500 kg - 80 km/h

Arma Kontrol High Security Telescopic Road Blocker is specially designed to prevent the passage of unauthorized vehicles, especially those with high security measures, which is a risky, infrastructure problem, and which is reinforced with a durability. Anti Terror Telescopic Road Blocker, 7.500 kg(7.5 tons) truck crashed at speed of 80km/h. in a crash test in Europe, then stopped the truck and continued to function without any problems afterwards. Therefore we are internationally certified.

Arma Kontrol is the first TURKISH COMPANY to be awarded the P1 certificate by passing the IWA14-1, ASTM, PAS68 crash tests, which is valid worldwide.

Standards: ASTM F2656-15 C750-K12  
PAS68 2013- N3 7500-80  
IWA 14-1:2013 N3C 7200- 80



# ANTI-TERROR HIGH SECURITY ROAD BLOCKER

## ATRB-900 Series

Road blocker is the most commonly-used system in the areas such as military facilities, government buildings, embassies, production facilities, oil refineries, hotels, airports and stadiums where the entries-exits must be made in a controlled and safe manner against any vehicle attacks.

The system's case is designed as resistant to hits by vehicles, and all relevant components of the systems are strengthened against any attacks. Arma Kontrol Blocker Systems work uninterruptedly even at the highest-density places thanks to the hydraulic operation system. This system is synchronized with the rising bollard and other safety systems, and keeps the defense at the maximum level in case of possible attacks, and thus ensures the secure entrance of the vehicles into relevant areas.

**Patent No 2012/12603**



### Technical Specifications

Road Blocker Height	900mm
Road Blocker Width Options	2000mm to 6000mm
Wall Thickness	Side blades 10 mm, Top sheet 10 mm, Front sheet 4 mm
Material of the Moving Part	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	3-15 kw
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	6-8 sec.
Axle Load	30 Tons
Impact Resistant (without deformation)	1777.8 KJ
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print
Operating Temperature	-25°C - +50°C
Protection Class	IP 67

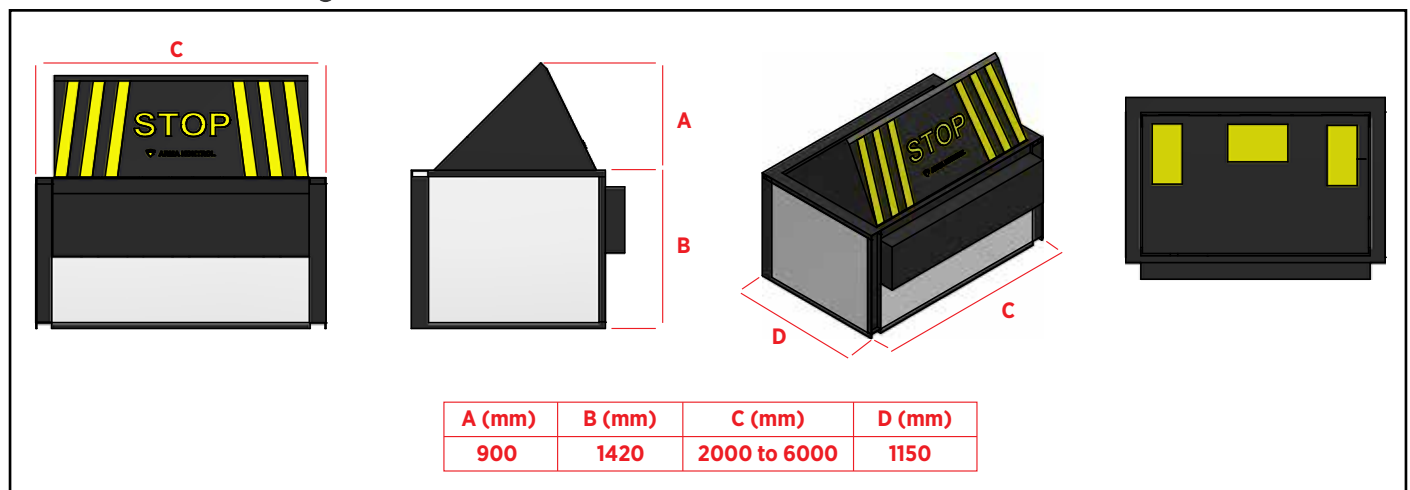
### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40°C to +75°C
Hydraulic System Heating – Cooling	Available
Warning Equipment	Flasher - Traffic Light - Buzzer
EFO (Emergency Fast Operation)	1.5 – 2 sec.
System Security Support	Safety Photocell
UPS (Back-up Power System)	In Case of Power Failure

### Images



### Technical Drawing





# ANTI-TERROR HIGH SECURITY ROAD BLOCKER

## 7.500 KG - 80 km/h

Arma Kontrol High Security Road Blocker is specially designed to prevent passage of any unauthorized vehicles with high security system and it is strengthened against attacks.

Anti-Terror Road Blocker, 7.500 kg (7.5 Tons) truck crashed at speed of 80 Km/h in a crash test in England, then stopped the truck and continued to function without any problems afterwards. Therefore we are internationally certified.

Standards : PAS68 2013- N3 7500-80  
IWA 14-1:2013 N3C 7200-80



# ANTI-TERROR HIGH SECURITY BOLLARD

## ATB-7110 Series

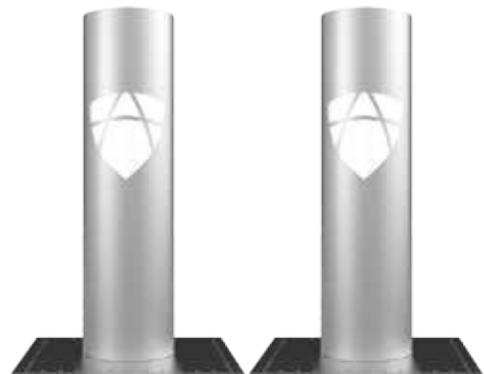
Arma Kontrol High-Security / PAS68 Rising Bollard is a security product specifically designed for risks of any kind of assassination with a vehicle.

Produced specifically for areas with high levels of security, its operation system, impact resistance and use are completely different from other standard products.

License Plate Recognition, Automatic Access System (AAS), Card Readers, etc. can be integrated into the system.

Besides being a producer, Arma Kontrol also provides special solutions to its customers, conducting a risk analysis of the area with its security staff and engineers.

**Patent No 2012/12603**



## Technical Specifications

Bollard Height	1100mm
Bollard Diameter	300mm
Wall Thickness	35 mm
Material of the Moving Part and Case	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	3-15 KW
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	7-9 sec.
Axle Load	30 Tons
Impact Resistant (without deformation)	1902.66 KJ
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67

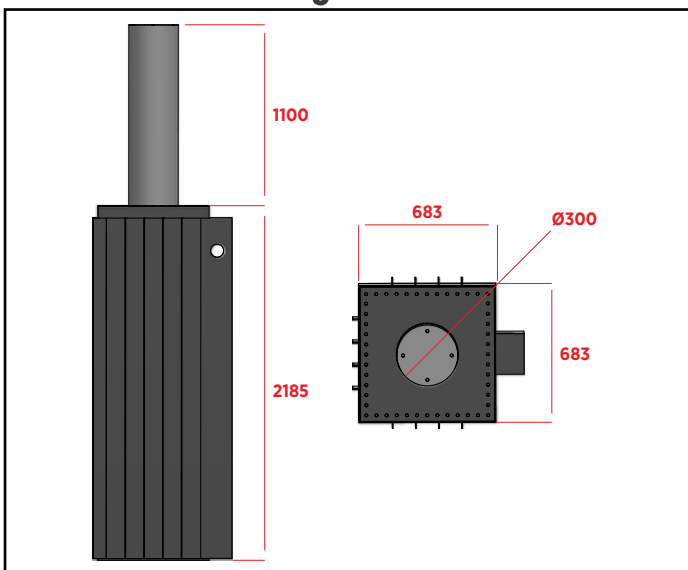
## Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40° C - +75° C (heating / cooling)
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	1.5-2 sec.
System Security Support	Safety Photocell
UPS (Back-up Power System)	In Case of Power Failure

## Images



## Technical Drawing



# ANTI-TERROR HIGH SECURITY BOLLARD

## 7.500 kg - 80 km/h

Arma Kontrol High Security Anti-Ram Bollard is specially designed to prevent the passage of unauthorized vehicles with high security measures and it is strengthened against shocks.

Anti Terror Bollard, 7.500 kg (7.5 tons) truck crashed at speed of 80km/h in a crash test in Europe, then stopped the truck and continued to function without any problems afterwards. Therefore we are internationally certified.

Arma Kontrol is the first TURKISH COMPANY to qualify for the P1 certificate passing the IWA14-1, ASTM, PAS68 crash tests, which is valid worldwide.

Standards: ASTM F2656-15 C740-K12  
PAS68 2013- N3 7500-80  
IWA 14-1:2013 N3C 7200- 80





# ANTI-TERROR HIGH SECURITY BOLLARD

## ATB-6590

Arma Hydraulic Bollards resistant to impacts and weather conditions are manufactured from European norm 304 Quality Stainless pipes with advanced technology. The diameter and height of the bollards vary according to the area requirements or desired safety level. The electronic characteristics enable the lowering/raising to be controlled by any entry control system including all types of card readers, remote control, biometric readers recognizing fingerprints, automatic plate recognition system or even a simple control button. Whatsmore, the safety accessories like magnetic loop detectors, photocells, flashing lights or red/green traffic lights might be easily integrated into the system.

**Patent No 2012/12603**



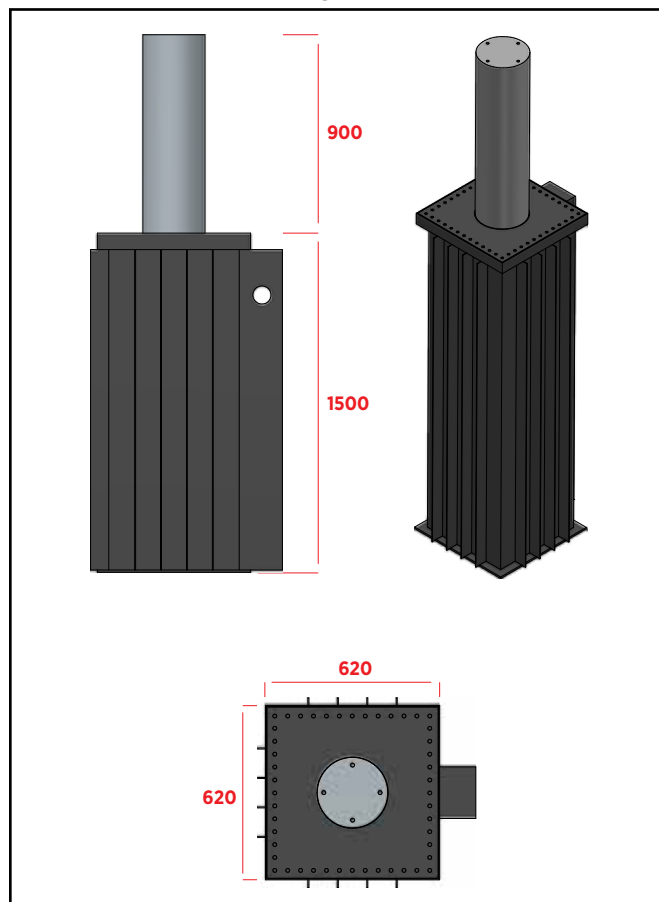
### Technical Specifications

Bollard Height	900mm
Bollard Diameter	273mm
Wall Thickness	25mm
Material of the Moving Part and Case	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	3 to 15 Kw
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	6-8 sec.
Axle Load	20 Tons
Impact Resistant (without deformation)	1224 KJ
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67

### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40° C - +75° C (heating / cooling)
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	2 sec.
System Security Support	Safety Photocell
UPS (Back-up Power System)	In Case of Power Failure

### Technical Drawing



### Images



# ANTI-TERROR HIGH SECURITY BOLLARD

## 7.500 kg - 65 km/h

Arma Kontrol High Security Bollard is specially designed to prevent the passage of unauthorized vehicles with high security measures and it is strengthened against shocks.

Anti Terror Bollard, 7.500 kg (7.5 tons) truck crashed at speed of 65km/h in a crash test in Europe, then stopped the truck and continued to function without any problems afterwards.

Arma Kontrol is the first TURKISH COMPANY to qualify for the P1 certificate passing the IWA14-1, ASTM, PAS68 K12 crash tests, which is valid worldwide.

Standards: ASTM F2656-15 C740-K8  
PAS68 2013- N3 7500-65  
IWA 14-1:2013 N3C 7200- 64





**ArmaKontrol**



COMING UP VERY **SOON**





# PAS68

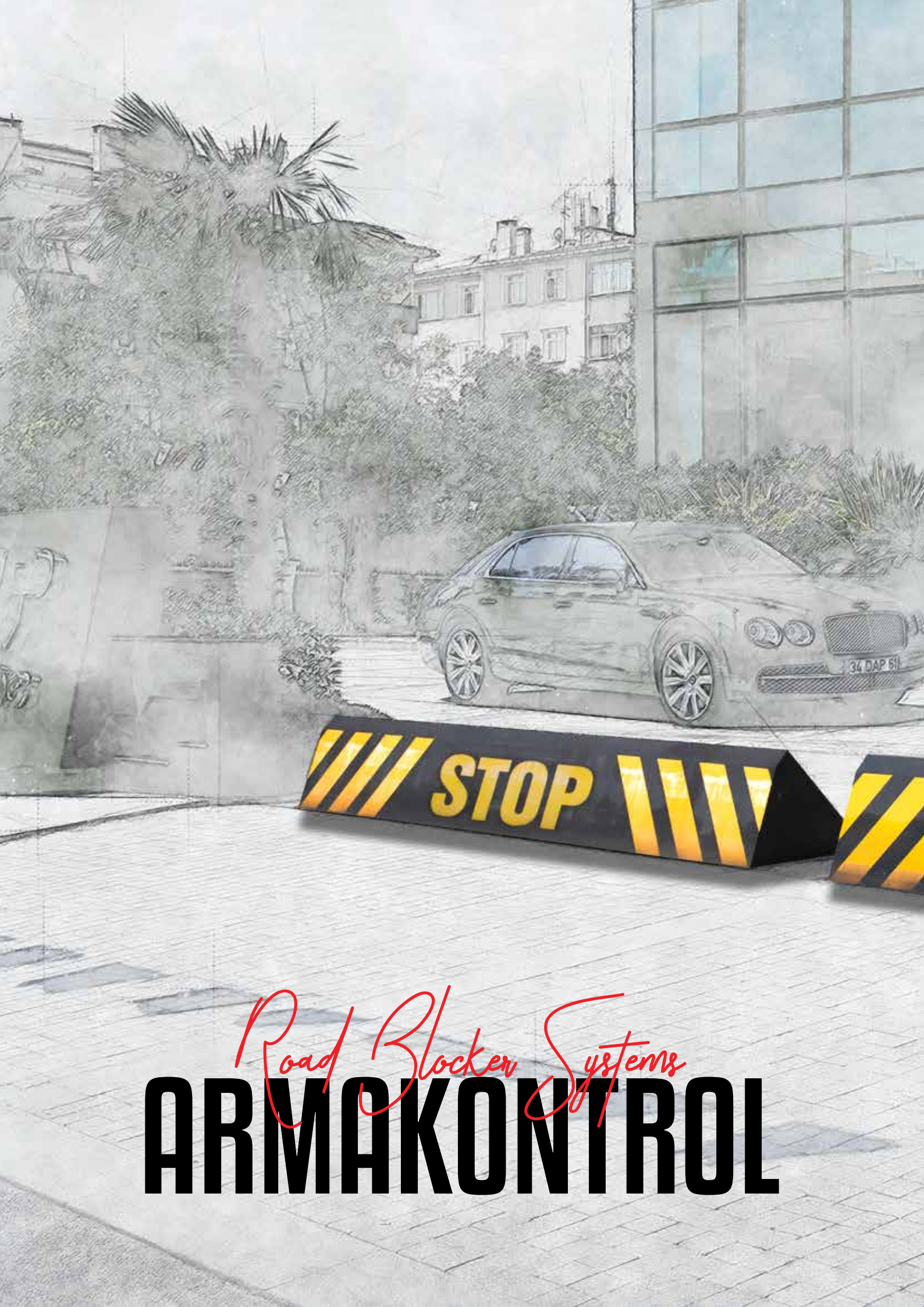
Crash Tested  
Hydraulic Bollard  
(7500 KG / 48 KM)

Crash Tested  
Hydraulic Bollard  
(7500 KG / 80 KM)

Crash Tested  
Fixed Bollard  
(7500 KG / 80 KM)

NEW  
DESIGN

GLOBAL  
BARRIER  
BRAND



*Road Blocker Systems*  
**ARMAKONTROL**







# HYDRAULIC ROAD BLOCKER

## RB Series

Road Blocker is the most commonly-used system in the areas such as military facilities, government buildings, embassies, production facilities, oil refineries, hotels, airports and stadiums where the entries-exits must be made in a controlled and safe manner against any vehicle attacks. The system's case is designed as resistant to hits by vehicles, and all relevant components of the systems are strengthened against any attacks. Arma Kontrol Blocker Systems work uninterruptedly even at the highest-density places thanks to the hydraulic operation system. This system is synchronized with the rising bollard and other safety systems, and keeps the defense at the maximum level in case of possible attacks, and thus ensures the secure entrance of the vehicles into relevant areas.

**Patent No 2012/13979**



## Technical Specifications

Road Blocker Heights	500-600-700-800-900-1000 mm
Road Blocker Width	2000mm to 6000mm
Wall Thickness	10mm
Moving Part / Sheet Metal Type	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	1.5 to 7.5 Kw
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	6-8 sec.
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67

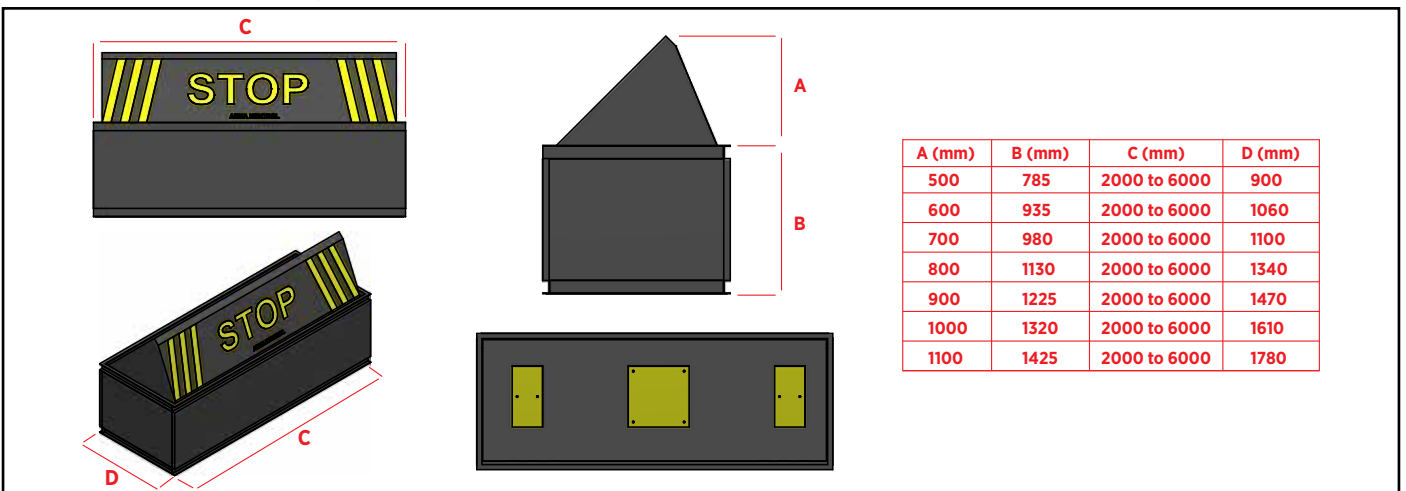
## Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40° C to +75° C (heating / cooling)
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	1.5 – 2 sec.
System Security Support	Safety Photocell
Power supply	Single Phase 220 V (±10) AC, 50/60 HZ
Road Blocker Steel Construction	Hot Dip Galvanized
UPS (Back-up Power System)	In Case of Power Failure

## Images



## Technical Drawing



# TELESCOPIC HYDRAULIC ROAD BLOCKER

## TRB Series

Telescopic Road Blocker systems are specially produced. Telescopic Road Blocker systems are especially suitable for areas where there is a risk and infrastructure problem.

Telescopic Road Blockers are preferred in military installations, security units and lodgings, consulates and public buildings, all of which require high security precautions but with infrastructure problems.

As in Road Blocker systems, Telescopic Road Blocker systems have also been strengthened to prevent unauthorized vehicle entry.

### Technical Specifications

Road Blocker Heights	500-600-700-800-900-1000 mm
Width Options	2000mm to 4000mm
Wall Thickness	10mm
Material Type of Moving Part	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	1.1-7.5 Kw
Power Supply	3 Phase 380 V ( $\pm 10$ ) AC, 50/60 HZ
Rising / Falling Time	4-6 sec.
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67



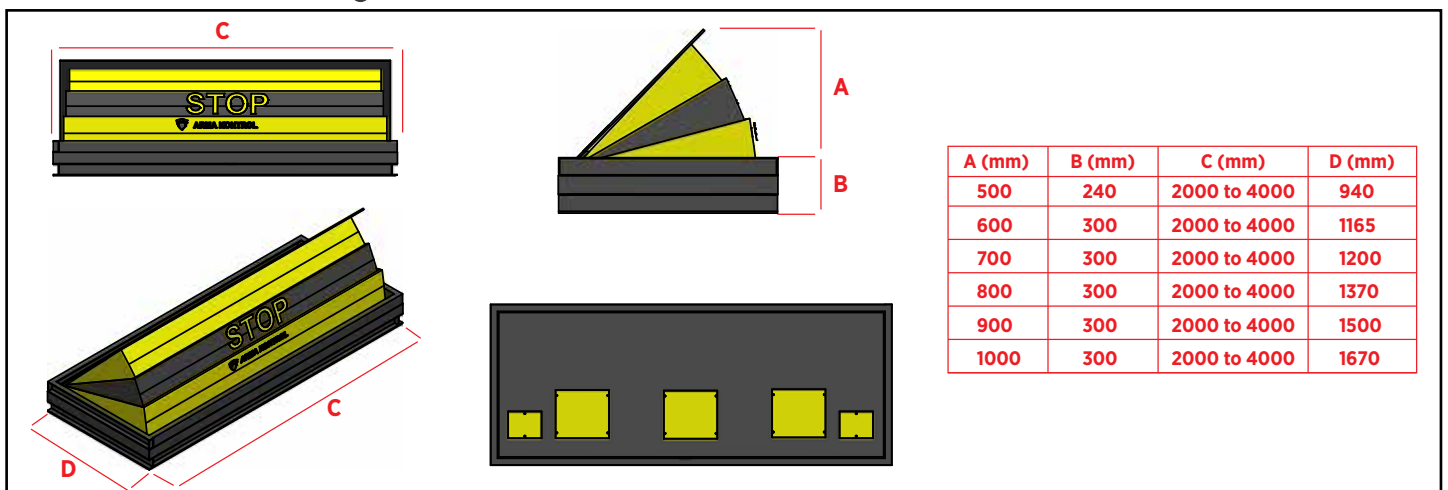
### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40° C - +75° C (heating / cooling)
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	1.5 - 2 sec.
System Security Support	Safety Photocell
Power Supply	Single Phase 220 V ( $\pm 10$ ) AC, 50/60 HZ
Telescopic Road Blocker Steel Construction	Hot Dip Galvanized
UPS (Back-up Power System)	In Case of Power Failure

### Images



### Technical Drawing



# MINI ROAD BLOCKER

## MRB Series

Mini Road Blocker is the most commonly-used system in the areas such as military facilities, government buildings, embassies, production facilities, oil refineries, hotels, airports and stadiums where the entries-exits must be made in a controlled and safe manner against any vehicle attacks. The system's case is designed as resistant to hits by vehicles, and all relevant components of the systems are strengthened against any attacks. Arma Kontrol Mini Road Blocker Systems work uninterruptedly even at the highest-density places thanks to the hydraulic operation system. This system is synchronized with the rising bollard and other safety systems, and keeps the defense at the maximum level in case of possible attacks, and thus ensures the secure entrance of the vehicles into relevant areas.



### Technical Specifications

Road Blocker Heights	500mm
Road Blocker Width	620mm
Wall Thickness	10mm
Moving Part / Sheet Metal Type	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	1.1 KW
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	4-6 sec.
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67

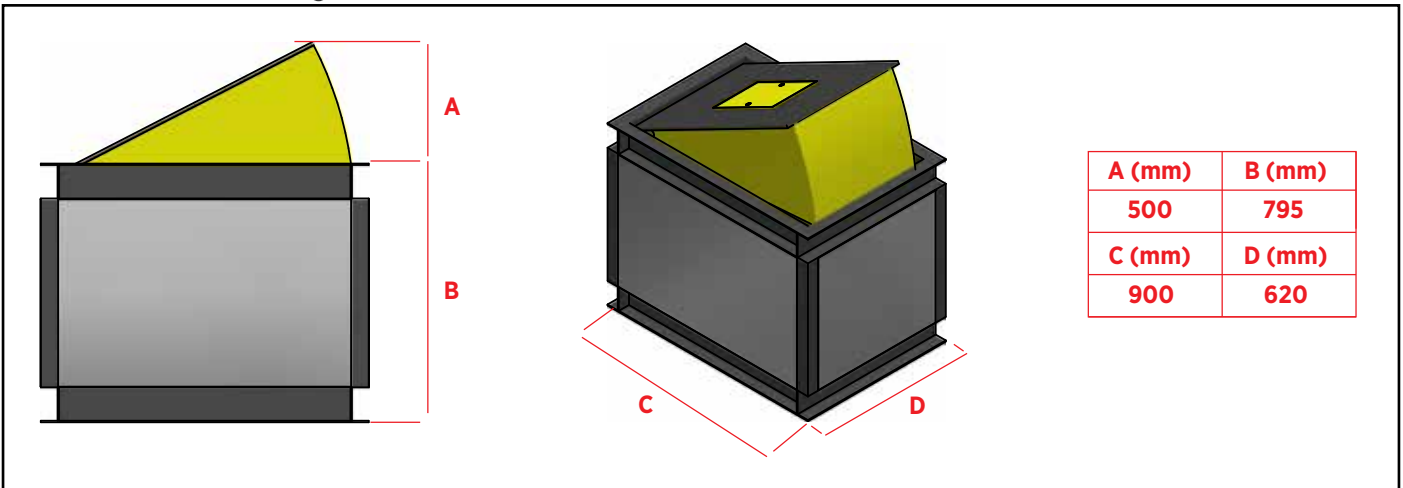
### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40°C +75°C (heating / cooling)
Warning Equipment	Traffic Light
Control Panel	PLC (Programmable Logic Controller)
System Security Support	Safety Photocell
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
UPS (Back-up Power System)	In Case of Power Failure

### Images



### Technical Drawing





# MOBILE ROAD BLOCKER

## MBL-RB Series

Mobile Road Blocker is designed to secure areas against all kinds of vehicle attacks. For example; It is suitable for use in many areas such as municipalities, security-military institutions, offices, plazas, indoor and outdoor organizations. It is a portable safety barrier system that can be moved from field to field by pulling by a standard car or similar vehicle with the help of two jacks and four wheels. They can be placed on asphalt roads, driveways, pristine soils or any combination. Excavation and concreting are not required. Installation is done in only minutes and if the vehicles hit at the front of the Mobile Road Blocker even at high speed during the attack, it will damage the vehicle and stop the vehicle. Production is made in accordance with the specified dimensions or colors. Working principle is hydraulic, 380V / 220V (AC) / 24V (DC) can work. It also works with solar energy without the need for electricity. It works integrated with all kinds of Access Control System (GSM, RFID System, Card Readers, etc.)



### Technical Specifications

Road Blocker Height	500-600-700-800-900 mm
Road Blocker Width Options	2000mm to 4000mm
Wall Thickness of the movable part	30 mm
Material of the Moving Part	S275JR Steel
Finish	Epoxy Paint
Drive Movement	Hydraulic Driven
Motor Power	3-5.5 kw
Power Supply	Solar Cell power unit (Single Phase AC 220 50/60 HZ for charging)
Rising / Falling Time	4-8 sec.
Axle Load	15 Tons
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Safety Photocell
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25°C - +50°C
Protection Class	IP 67

### Optional Specifications

Operating Temperature	-40°C to +75°C
Hydraulic System Heating – Cooling	Available
Warning Equipment	Flasher - Traffic Light - Buzzer
EFO (Emergency Fast Operation)	1.5 – 2 sec.

### Images



*Anti-Ram Bollard Systems*  
**ARMAKONTROL**









# HYDRAULIC BOLLARD

## HB Series

Arma Hydraulic Bollards resistant to impacts and weather conditions are manufactured from European norm 304 Quality Stainless pipes with advanced technology. The diameter and height of the bollards vary according to the area requirements or desired safety level. The electronic characteristics enable the lowering/raising to be controlled by any entry control system including all types of card readers, remote control, biometric readers recognizing fingerprints, automatic plate recognition system or even a simple control button. Whatmore, the safety accessories like magnetic loop detectors, photocells, flashing lights or red/green traffic lights might be easily integrated into the system.

**Patent No 2012/12603**



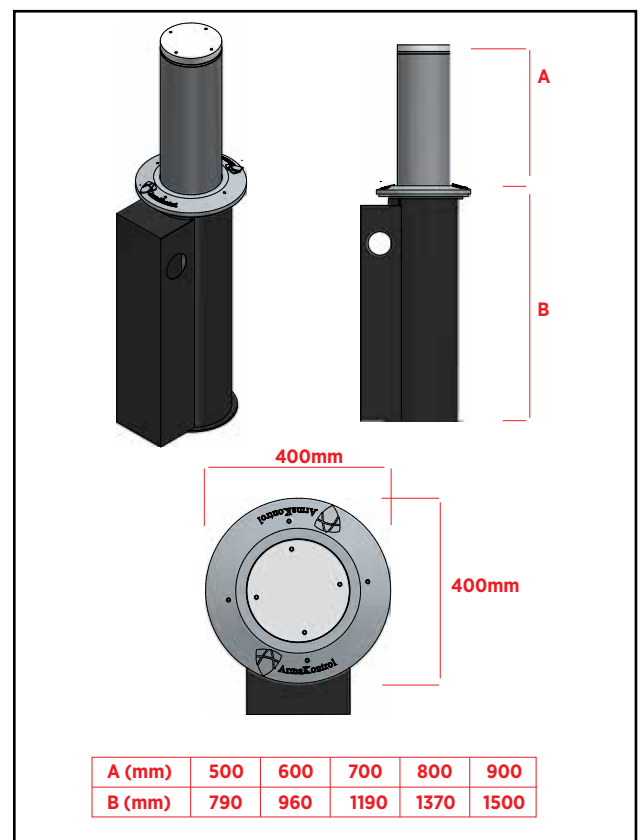
## Technical Specifications

Bollard Heights	500-600-700-800-900 mm
Bollard Diameters	219mm and 273mm
Bollard Thickness	10mm
Inner Sheet Material	S275JR Steel
Type of the Moving Part	
Outer Sheet Material	304 Stainless Steel (Thickness: 2mm)
Type of the Moving Part	
Finish	Liner Inside (Galvanization) Liner Outside (Epoxy)
Drive Movement	Hydraulic Driven
Motor Power	1.1 to 11 Kw
Power Supply	3 Phase 380 V (±10) AC, 50/60 HZ
Rising / Falling Time	6-8 sec.
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25° C - +50° C
Protection Class	IP 67

## Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40° C - +75° C (heating / cooling)
Outer Sheet Material Type of the Moving Part	316 Stainless Steel (Thickness :2mm)
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	1.5-2 sec.
System Security Support	Safety Photocell
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
UPS (Back-up Power System)	In Case of Power Failure

## Technical Drawing



## Images



# FIXED BOLLARD

## FB Series

Resistant to weather conditions and impacts, Fixed Rising Bollards are especially used in public spaces and private property, and can be produced in different diameters and heights in accordance with the requirements of the area.

Production and assembly methods:

Designed to be cemented to the ground, fixed on the surface, or to have a lock-unlock feature.

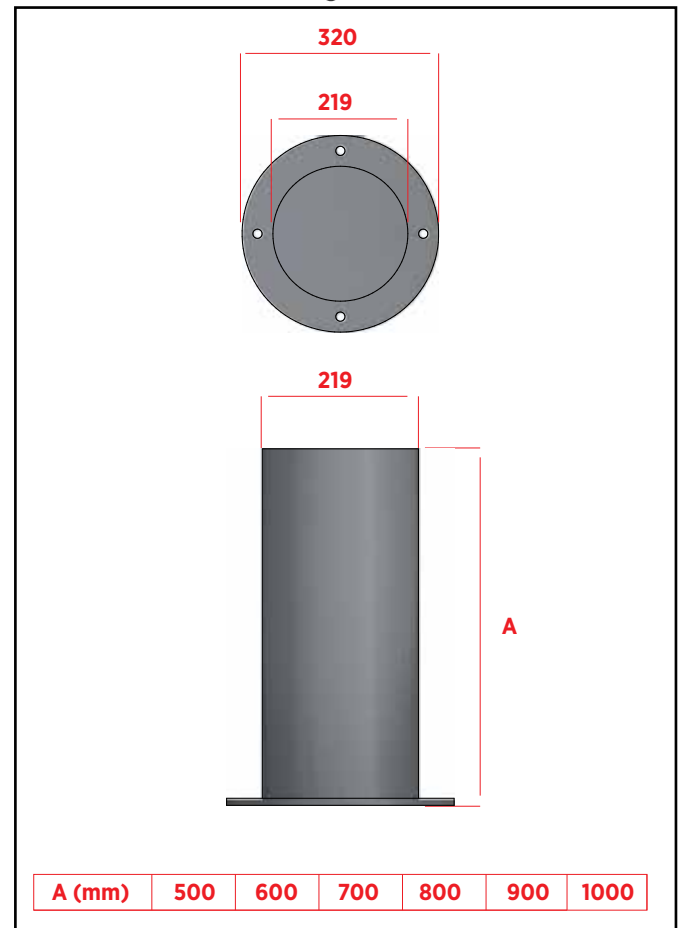
Arma fixed rising bollards do not only contribute to your safety but also adds value to your architectural design.



## Technical Specifications

Bollard Diameters	114mm - 140mm - 219mm - 273mm
Bollard Heights	500mm to 1000mm
Bollard Wall Thickness	3mm - 4mm - 10mm - 12mm - 14mm - 16mm
Bollard Material	S275J2 or 304 Stainless Steel (316 stainless as an option)
Finish	Polished For Stainless Steel, Epoxy Paint for S275JR
Connection Points	M8x20 Imbues Bolt (Stainless)
Installation Type	Flanged / Shallow

## Technical Drawing



## Images



# MANUAL BOLLARD

## MB Series

Arma Kontrol Manual Anti-Ram Bollard made with new production technology. It is a product that designed for to be easily used.

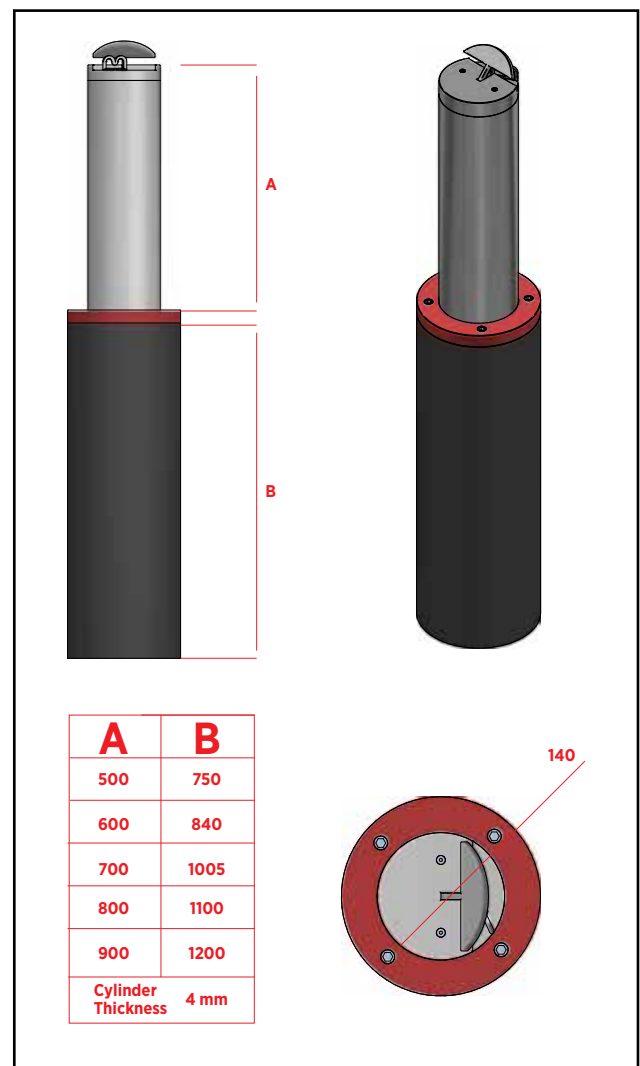
### Technical Specifications

Bollard Diameters	139mm - 219mm
Bollard Heights	500mm to 1000mm
Bollard Wall Thickness	4 mm-8 mm
Bollard Material	S275J2R or 304 Stainless (326 stainless as an option)
Finish	Epoxy Paint
Connection Points	M8x20 Imbues Bolt (Stainless)
Operating Types	Manual Gas Piston (for 500mm and 600mm heights)

### Images



### Technical Drawing





# HYDRAULIC BOLLARD WITH BUILT-IN PUMP

## (NEW PRODUCT)



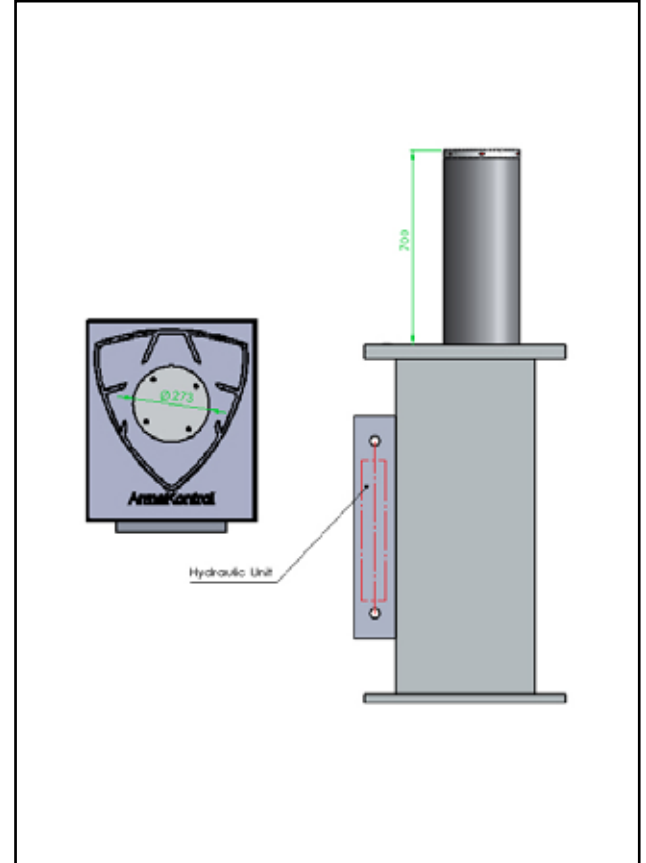
### SUB Series

Arma Kontrol Self Unit Bollard is the most commonly-used system in the areas like military facilities, government buildings, embassies, production facilities, oil refineries, hotels, airports and stadiums where the entries-exits must be made in a controlled and safe manner against any terrorist vehicle attacks. The system's case is designed as resistant to hits by vehicles, and all relevant components of the systems are strengthened against any attacks. Arma Kontrol Self Unit Bollard System works uninterruptedly even at the highest- density places thanks to the hydraulic operation system. This system is synchronized with the Road Blocker and other safety systems and keeps the defense at the maximum level in case of possible attacks, and thus ensures the secure entrance of the vehicles into relevant areas.

### Technical Specifications

Bollard Height	500 mm to 1100 mm
Bollard Diameters	219 - 273 - 323 mm
Bollard Wall Thickness	8 - 10 - 16 - 20 - 25 mm
Bollard Material	S275J2R
Finish	304 - 316 Stainless Steel
Drive Movement	Hydraulic Driven
Motor Power	0.35 - 0.55 - 0.75 - 0.90 Kw
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
Rising/Falling Time	6 - 8 sec.
Control Panel	PLC (Programmable Logic Controller)
Safety Support	Loop Dedector
Can be connected to any kind of Access control system	GSM, License Plate Recognition, Card Reader, etc.
Operating Temperature	-25 °C / +50 °C
Protection Class	IP68
Optional Specifications	
Manual Lifting	Hand Pump
Operating Temperature	-40° C - +75° C (heating / cooling)
"Outer Sheet Material Type of the Moving Part"	316 Stainless Steel (Thickness :2mm)
Warning Equipment	Flasher -Traffic Light
EFO (Emergency Fast Operation)	1.5-2 sec.
System Security Support	Safety Photocell
UPS (Back-up Power System)	In Case of Power Failure

### Technical Drawing



### Images







# *Arm Barrier Systems* **ARMAKONTROL**





# ARM BARRIER

## 212 Series - 5 Meters

Arma 212 Arm Barriers have the international standard and quality, thanks to their aesthetical appearance, steel outer case not affected by the weather conditions and the powerful engine. The photocells on the barriers prevent the lowering of the barrier arm from the detection until the completion of the vehicle passage. Thus, the possible accidents are prevented.

The operating speed can be adjusted according to the need of the user. The barriers might be controlled with alternate accessories like remote control, manual button, and card reader upon request, and different arm lengths can be used based on the width of the entrance.



### Technical Specifications

Arm Length	3000mm to 5000mm
Barrier Cabinet Physical Dimensions	360mm (L) x 250mm (W) x 1080mm (H)
Cabinet Material Details	S235JR Steel Sheet Thickness: 2.2 mm
Underside of Arm	815mm
Arm Height	115mm
Arm Material	Aluminium ( Thickness: 1.5mm )
Drive Movement	Electrical Driven
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
Operation Cycle Per Day (Up / Down)	5.000 Cycles
Opening / Closing Time	3.5 sec.
Torque	120 Nm
Service Class	4 – Instant
Motor Speed	1400 rpm
Motor Output Power	180W
Noise	≤62dB
Operating Temperature	-25°C ~ +70°C
Weight	70 Kg

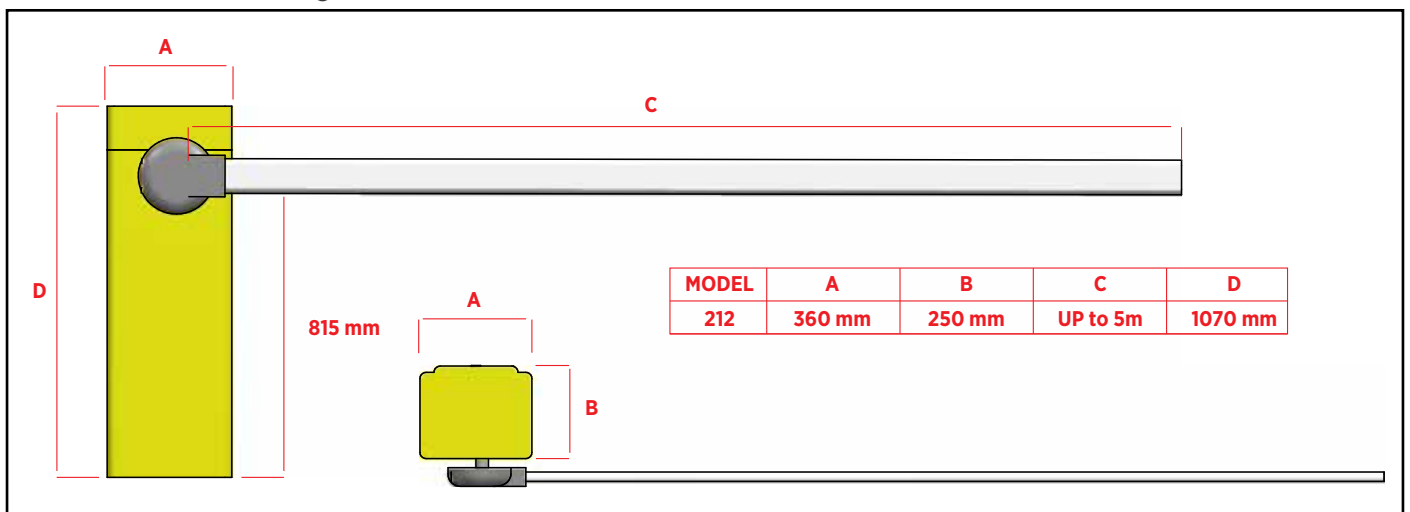
### Optional Specifications

Warning Support	Traffic Light, Buzzer, Arm led
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Safety Support	Loop Detector

### Images



### Technical Drawing



# ARM BARRIER

## 216 Series - 6 Meters

Arma 216 Arm Barriers have the international standard and quality, thanks to their aesthetical appearance, steel outer case not affected by the weather conditions and the powerful engine. The photocells on the barriers prevent the lowering of the barrier arm from the detection until the completion of the vehicle passage. Thus, the possible accidents are prevented.

The operating speed can be adjusted according to the need of the user. The barriers might be controlled with alternate accessories like remote control, manual button, and card reader upon request, and different arm lengths can be used based on the width of the entrance.



### Technical Specifications

Arm Length	5000-6000 mm
Barrier Cabinet Physical Dimensions	360mm (L) x 250mm (W) x 1080mm (H)
Cabinet Material Details	S235JR Steel, Sheet Thickness: 2.2 mm
Underside of Arm	815mm
Arm Height	115mm
Arm Material	Aluminium (Thickness: 1.5 mm)
Drive Movement	Electrical Driven
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
Operation Cycle Per Day	4.000 Cycles
Opening / Closing Time	5.5 sec.
Torque	120 Nm
Service Class	4 – Instant
Motor Speed	1400 rpm
Motor Output Power	180W
Noise	≤62dB
Operating Temperature	-25°C ~ +70°C
Weight	75 Kg

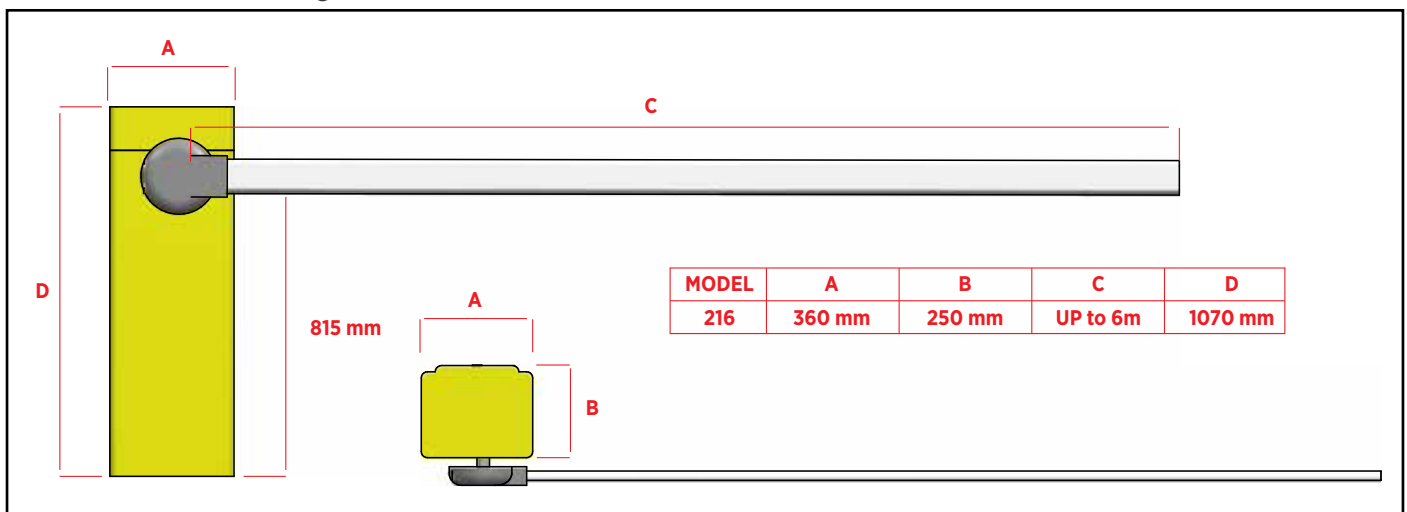
### Optional Specifications

Warning Support	Traffic Light, Buzzer, Arm led
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Safety Support	Loop Detector

### Images



### Technical Drawing



# PRO FAST BARRIER

## 034 Series - 3 Meters - 1.2 sec.

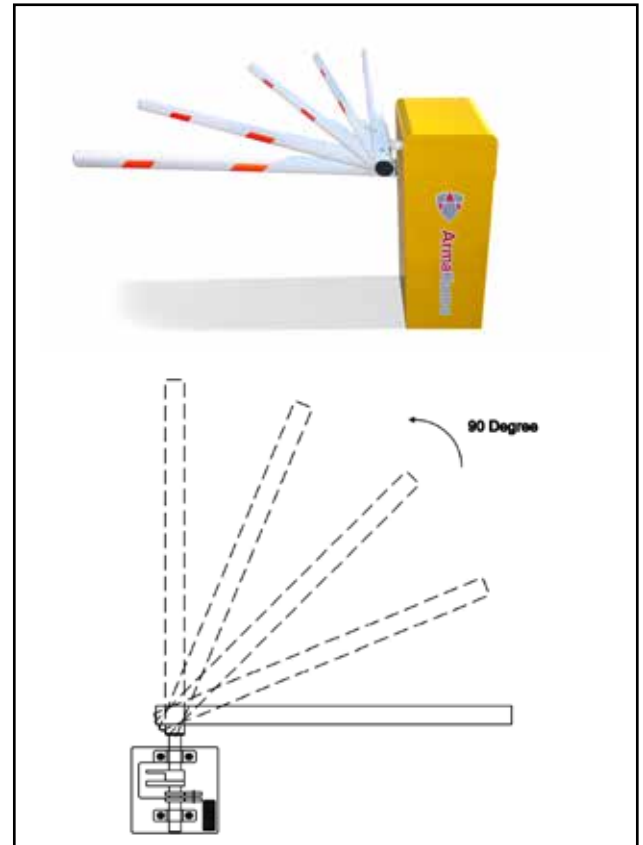
Designed for gates/exits with heavy car traffic. Equipped with a special bar system to prevent the barrier engine from getting damaged in case of car hits. Suitable for all weather conditions.



### Technical Specifications

Arm Length	3000mm (Crash-proof)
Barrier Cabinet Physical Dimensions	370mm (L) x 370mm (W) x 1100mm (H)
Arm Height	930mm
Arm Material	Aluminum
Arm Diameter	Ø 76mm
Drive Movement	Electrical Driven
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
Operation Cycle Per Day	8.000 Cycles
Opening / Closing Time	1.2 sec.
Torque	120 Nm
Motor Speed	960 RPM
Service Class	5 – Extreme Instant
Motor Output Power	380W
Noise	≤62dB
Operating Temperature	-10°C ~ +45°C
Weight	120 Kg

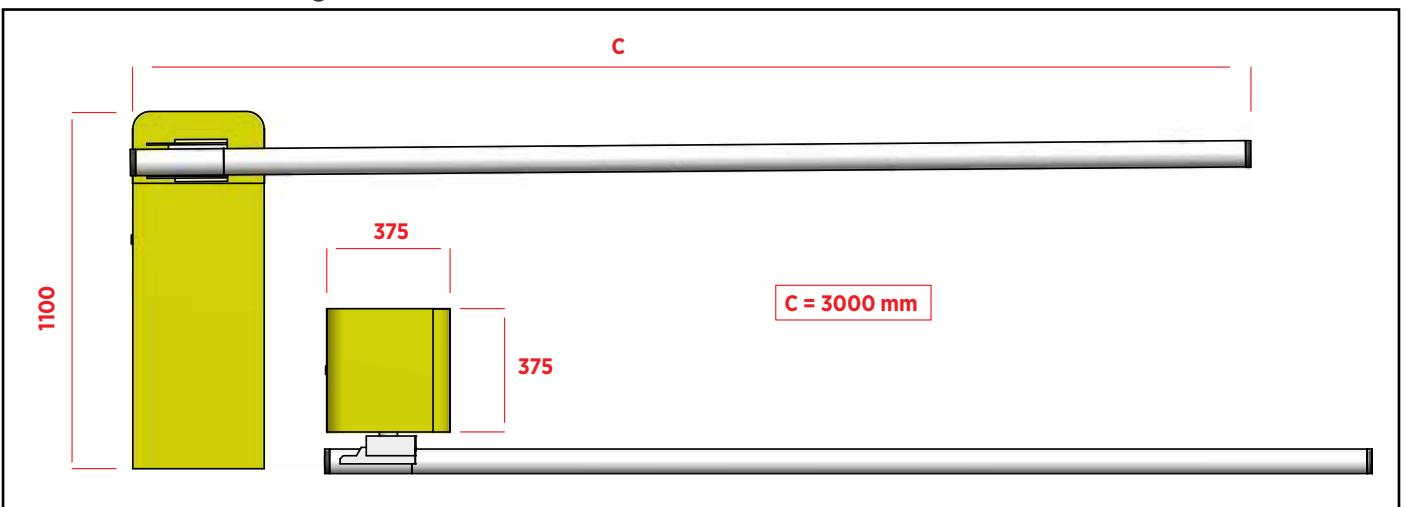
### Images



### Optional Specifications

Warning Support	Traffic Light, Buzzer, Arm led
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Safety Support	Loop Detector

### Technical Drawing





# ARMA PRO-BANN BARRIER (NEW DESIGN)

## 300 Series – 0.7 sec.

Arma Pro-BanN arm rails are of world-class quality with their nice appearance and steel exterior cabin are not affected by weather conditions and strong engine structure.

Arma Pro-BanN arm barrier system is 100% local production, the rising speed is form 0.7 to 4 seconds. This rising time can be modified according to the site requirements and conditions. Also the Arm can be raised quickly at startup and slower at lowering. To prevent damage to the vehicle from there is a special function in the Pro-BanN Arm Barrier, this function prevent the crash impact of the 90 ° intake feature of the barrier engine, in addition to this feature, the system continues to operate without stopping the lever after a 90 ° upward angle and then closing the area for locking. Wind resistance is 30% higher than similar barrier systems. Prices for Arma Pro-BanN Arm Barriers vary aggressive to different models and options depending on the region to be applied. Its compatible with GSM, License Plate Recognition System, RFID System, Card Readers, etc. Access Control System.



### Technical Specifications

Arm Length	3000mm – 4000mm – 5000mm – 6000mm
Barrier Cabinet Physical Dimensions	270mm (L) x 350mm (W) x 1180mm (H)
Arm Height	850mm
Arm Material	Aluminum
Arm Diameter	Ø 105mmX40mm
Drive Movement	Electrical Driven
Power Supply Single-Phase	AC220 x (1±10%)V 50Hz
Operation Cycle Per Day	9600 Cycles
Opening / Closing Time	0.7 sec.
Torque	208 Nm
Motor Speed	1440 RPM
Service Class	5 – Extreme Instant
Motor Output Power	550W
Wind Resistance	30±5Km/h
Noise	≤62dB
Operating Temperature	-20°C ~ +50°C
Weight	50 Kg
Compatibility with Access Control Systems	GSM, License Plate Recognition, Card Reader, Finger, Print etc

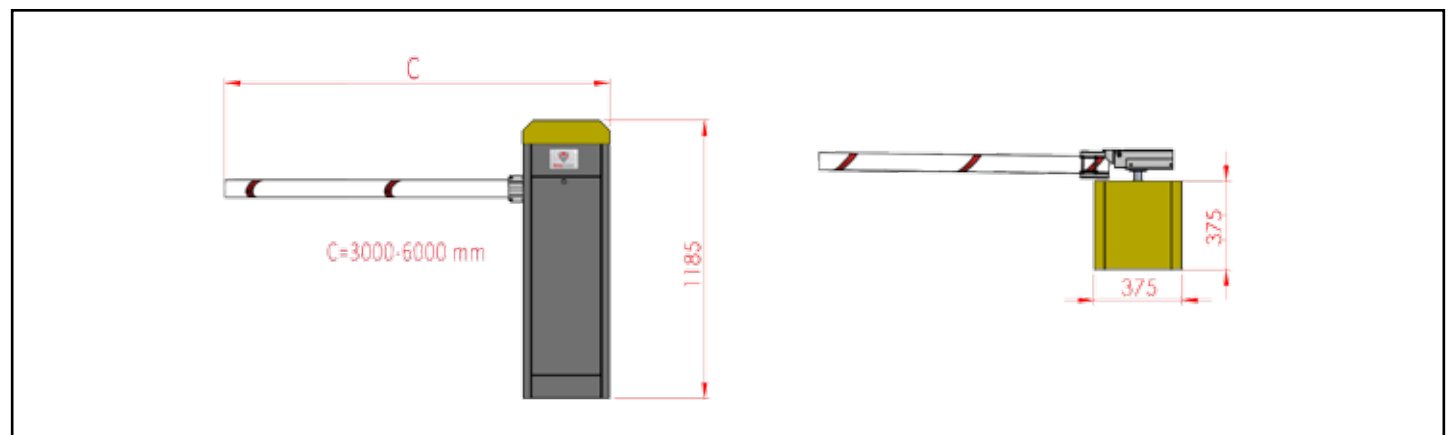
### Optional Specifications

Warning Support	Traffic Light, Buzzer, Arm led
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Safety Support	Loop Detector

### Images



### Technical Drawing



# BROKEN ARM BARRIER

## ARMA-BRK 4.5 Meters

Arma Arm Barriers have the international standard and quality, thanks to their aesthetical appearance, stainless steel outer case not affected by the weather conditions and the powerful engine. The photocells on the barriers prevent the lowering of the barrier arm from the detection until the completion of the vehicle passage. Thus, the possible accidents are prevented. The operating speed can be adjusted according to the need of the user. The barriers might be controlled with alternate accessories like remote control, manual button, and card reader upon request, and different arm lengths can be used based on the width of the entrance.



### Technical Specifications

Arm Length	Max 3000mm
Barrier Cabinet Physical Dimensions	360mm (L) x 250mm (W) x 1080mm (H)
Cabinet Material Details	S235JR Steel Sheet Thickness: 2.2 mm
Arm Height	815mm underside of arm
Arm Thickness	115mm
Arm Material	Aluminium ( Thickness: 1.5mm )
Drive Movement	Electrical Driven
Power Supply	Single Phase 220 V (±10) AC, 50/60 HZ
Operation Cycle Per Day (Up / Down)	5.000 Cycles
Opening / Closing Time	3.5 sec.
Torque	120 Nm
Service Class	4 – Instant
Motor Speed	1400 rpm
Motor Output Power	180W
Noise	≤62dB
Operating Temperature	-25°C ~ +70°C
Weight	70 Kg

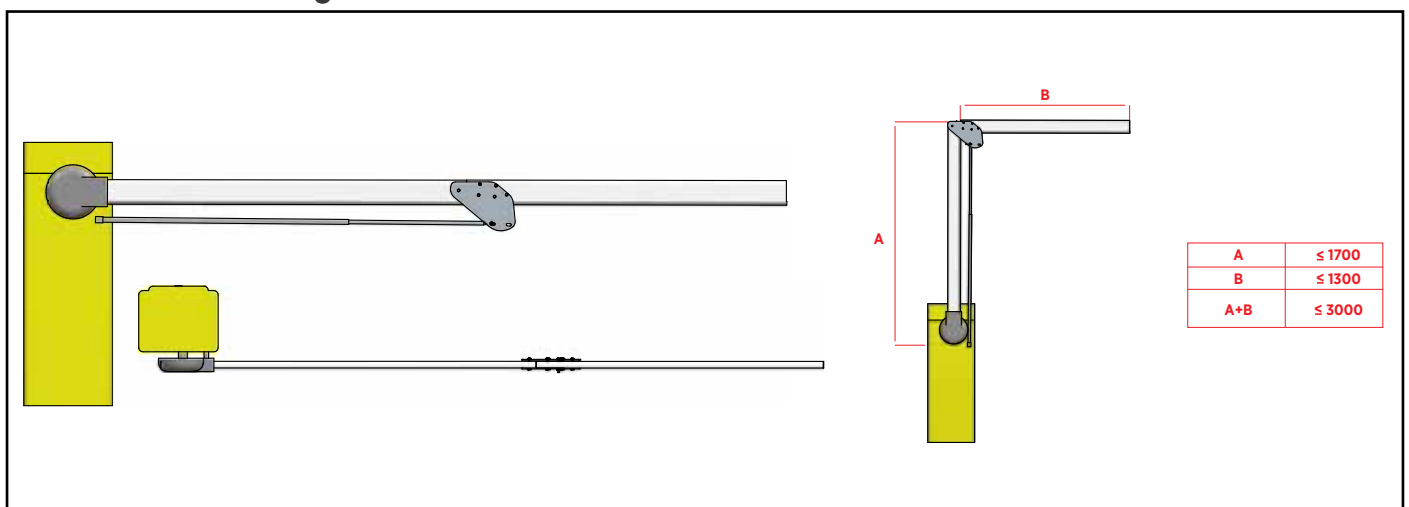
### Optional Specifications

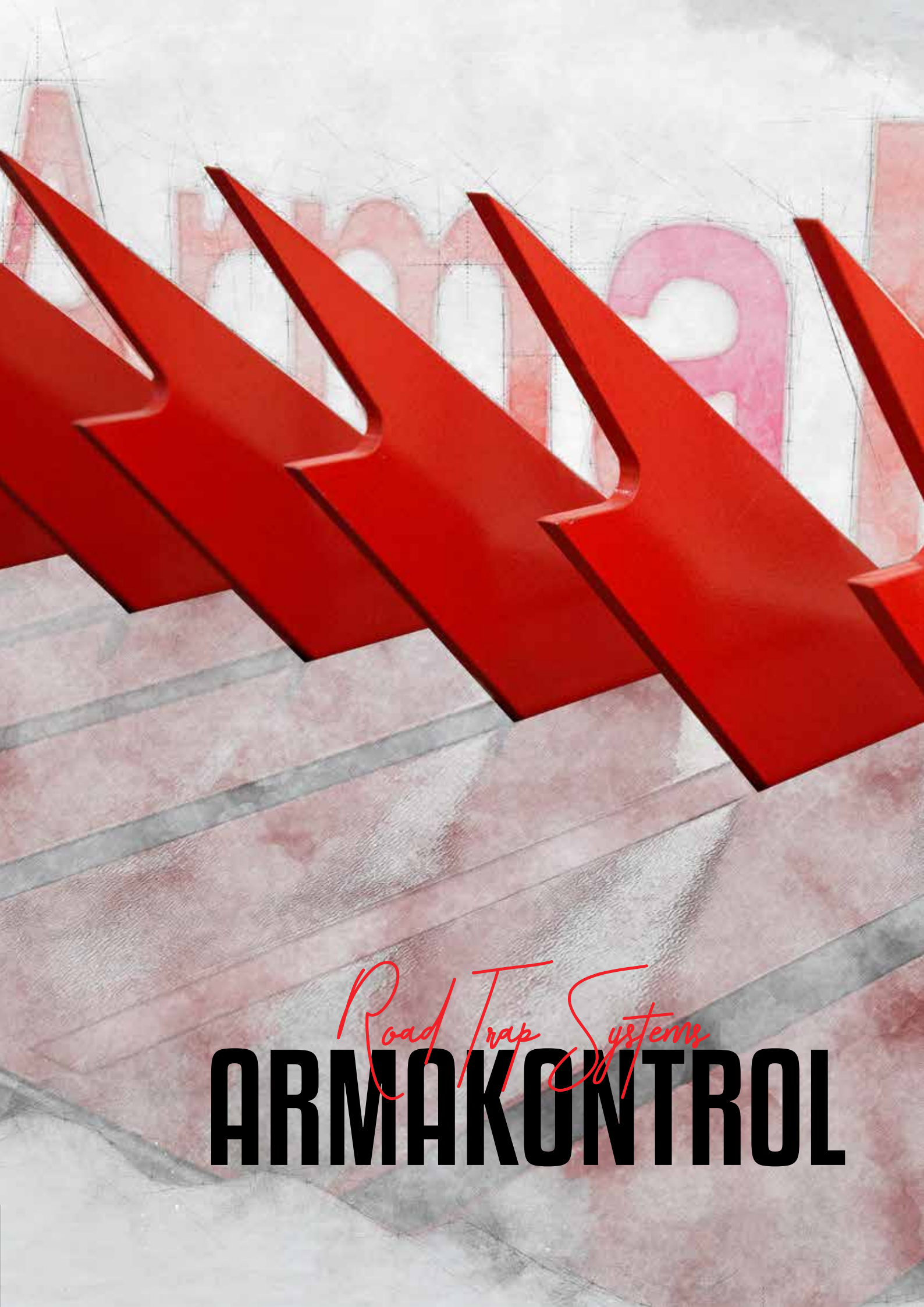
Warning Support	Traffic Light, Buzzer, Arm led
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Safety Support	Loop Detector

### Images



### Technical Drawing





*Road Trap Systems*  
**ARMAKONTROL**



# HYDRAULIC ROAD TRAP

## HRT Series

Arma Road Trap creates a fast and safe transit environment by ensuring one-way traffic in vehicle entry-exit points of car parks, shopping centers, building complexes and similar areas. The purpose of this system is to prevent the passage of vehicles in opposite direction. This feature can be disabled when required. The vehicles acting contrary to the existing passage order are blocked by means of independent blades of Arma Automatic Road Trap and thus, any assassination attempt can be prevented thanks to the damage give to the tires. The height of the blades are 14 cm but is possible to make production in special sizes depending on customer's demand. The level of the noise arising from impact to these blades has been reduced with special rubber. Epoxy paint or electrostatic powder coat resistant to the external factor is used as the paint of the product due to our quality understanding. Furthermore, manual arm apparatus has been developed in order to be able to get 100% efficiency from the product in case of any power outage in Automatic Road Trap System.



### Technical Specifications

Trap Length	1000mm to 5000mm
Trap Blade Height	90 - 140mm
Trap Blade Thickness	10mm
Trap Blade Model	Single
Moving Part Material	S275JR Steel
Drive Movement	Hydraulic Driven
Rising / Falling Time	3-5 sec.
Control Panel	PLC Board
Power Supply	3 Phase 380 V ( $\pm 10$ ) AC, 50/60 HZ
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Finger Print etc.
Operating Temperature	-25°C +50°C

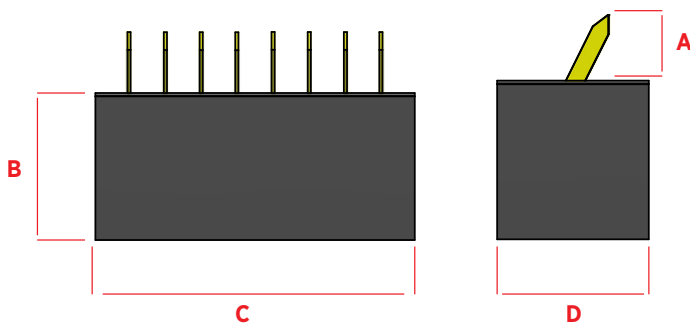
### Optional Specifications

Manual Lifting	Hand Pump
Operating Temperature	-40°C +75°C (heating / cooling)
Warning Equipment	Traffic Light
Control Panel	PLC (Programmable Logic Controller)
System Security Support	Safety Photocell
Power Supply	Single Phase 220 V ( $\pm 10$ ) AC, 50/60 HZ
UPS (Back-up Power System)	In Case of Power Failure

### Images



### Technical Drawing



A	B	C	D
140	450	1000 to 5000	440
90	450	1000 to 5000	350



# DOUBLE BLADE ROAD TRAP

## RTD Series

Arma Road Trap creates a fast and safe transit environment by ensuring one-way traffic in vehicle entry-exit points of car parks, shopping centers, building complexes and similar areas. The purpose of this system is to prevent the passage of vehicles in opposite direction. This feature can be disabled when required. The vehicles acting contrary to the existing passage order are blocked by means of independent blades of Arma Automatic Road Trap and thus, any assassination attempt can be prevented thanks to the damage give to the tires. The height of the blades are 7 cm but is possible to make production in special sizes depending on customer's demand. The level of the noise arising from impact to these blades has been reduced with special rubber. Epoxy paint or electrostatic powder coat resistant to the external factor is used as the paint of the product due to our quality understanding. Furthermore, manual arm apparatus has been developed in order to be able to get 100% efficiency from the product in case of manual operation of the Road Trap System.

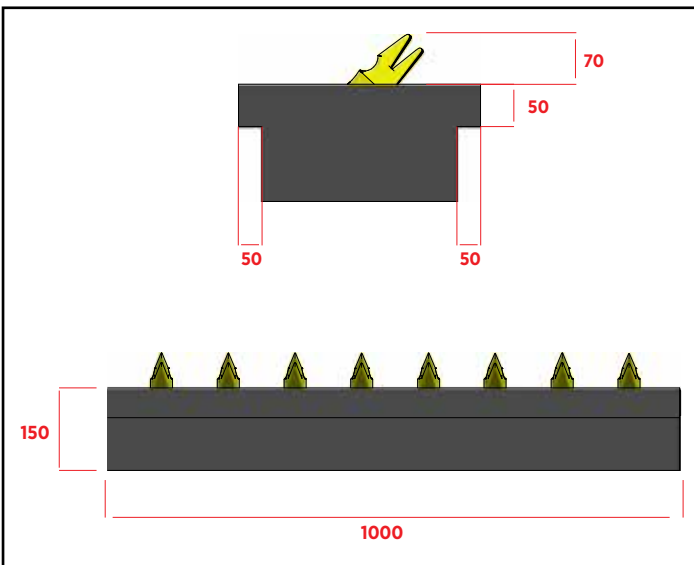
Patent No 2016/04833



## Technical Specifications

Trap Length	1000mm to 5000mm
Trap Blade Height	70mm
Trap Blade Model	Cast Double (Sfero)
Moving Part Material	Cast Steel
Drive Movement	Mechanical Driven
Blade Movement	Independent
Trap Case Dimensions	290mm(W) + 1000mm (L)+150 mm(H)
Reducing Noise	Using Rubber With Screw (Thickness: 20Mm)
Finish	Epoxy Paint
Weight for each 1000 mm	70 Kg
Independent Maximum Car Speed	25 km/h

## Technical Drawing



## Images



# SINGLE BLADE ROAD TRAP

## RTS Series

Arma Road Trap creates a fast and safe transit environment by ensuring one-way traffic in vehicle entry-exit points of car parks, shopping centers, building complexes and similar areas. The purpose of this system is to prevent the passage of vehicles in opposite direction. This feature can be disabled when required. The vehicles acting contrary to the existing passage order are blocked by means of independent blades of Arma Automatic Road Trap and thus, any assassination attempt can be prevented thanks to the damage give to the tires. The height of the blades are 7 cm but is possible to make production in special sizes depending on customer's demand. The level of the noise arising from impact to these blades has been reduced with special rubber. Epoxy paint or electrostatic powder coat resistant to the external factor is used as the paint of the product due to our quality understanding. Furthermore, manual arm apparatus has been developed in order to be able to get 100% efficiency from the product in case of manual operation of the Road Trap System.



Patent No 2015/14520



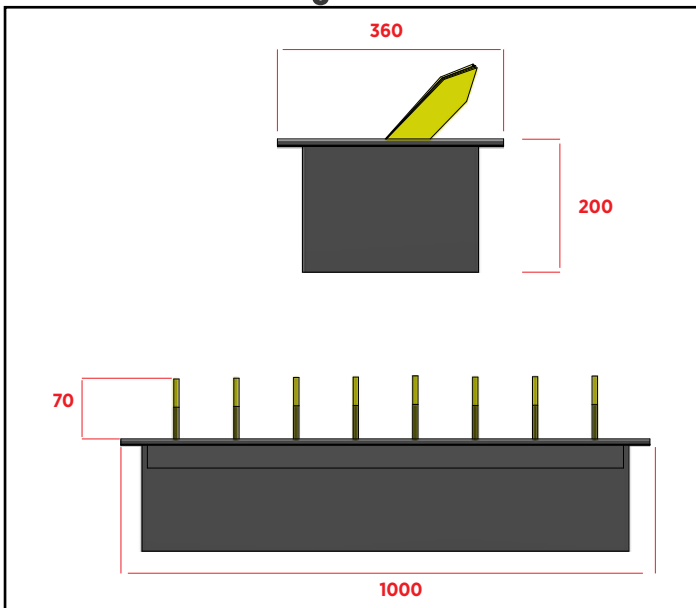
## Technical Specifications

Trap Length	1000mm to 5000mm
Trap Blade Height	70mm - 90mm
Trap Blade Thickness	10mm
Trap Blade Model	Single
Moving Part Material	Steel
Drive Movement	Mechanical Driven
Blade Movement	Independent
Trap Case Dimensions	360mm(W) + 1000mm (L)+200mm (H)
Reducing Noise	Using Rubber With Screw (Thickness: 20mm)
Finish	Epoxy Paint
Weight for each 1000 mm	60 Kg

## Images



## Technical Drawing





# SURFACE MOUNTED ROAD TRAP

## SRT Series

It is specially designed to prevent the reverse entry of vehicles in one-way roads. It is a product made of steel that can be easily mounted with speed cut-off and traction. Today, in certain regions such as garage entrance, public buildings, private buildings, parking lot and site entrance, the purpose of preventing unauthorized vehicle entry is used with the trap system called the vehicle door. It has shapes and blade which are suitable for the purpose of use. By means of these teeth it is not possible to cross the vehicle except in the direction that the closing in the designated area allows.



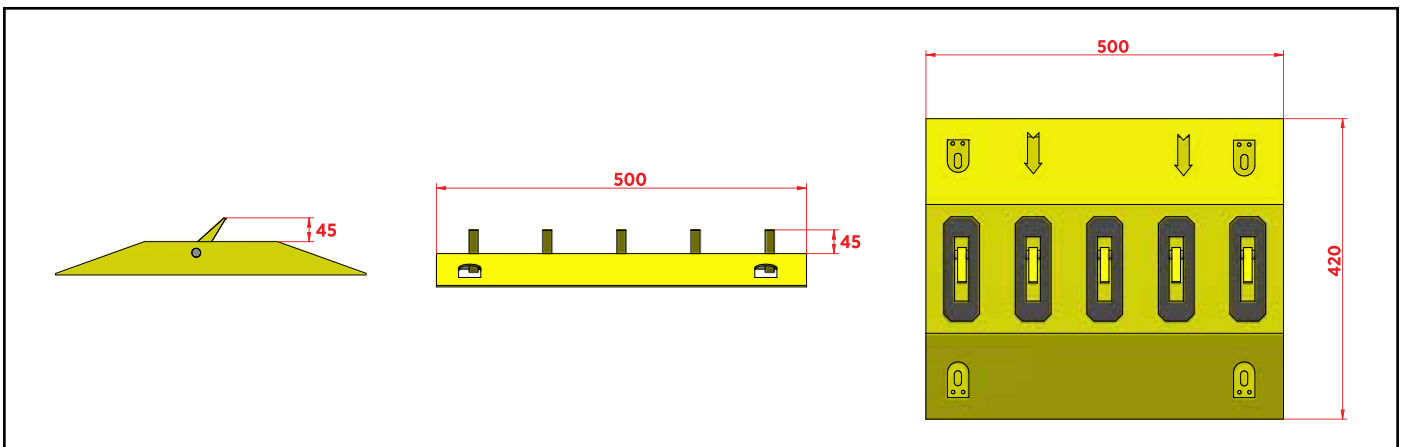
### Technical Specifications

Trap Length	500 mm
Trap Width	420 mm
Trap Height	500 mm
Upper Plate	4-5mm Checkered Plate
Blade Length	40 mm
Blade Type	Synchronized With Each Other
Blade Thickness	10 mm
Paint	Electrostatic Powder Coated

### Images



### Technical Drawing



# DOUBLE SIDED AUTOMATIC ROAD TRAP (NEW DESIGN)

## DRT Series

Arma Road Trap creates a fast and safe transit environment by ensuring Two-way traffic in vehicle entry-exit points of car parks, shopping centers, building complexes and similar areas. The purpose of this system is to prevent the passage of vehicles from the two direction. The vehicles acting contrary to the existing passage order are blocked by means of independent blades of Arma Double Blade Road Trap and thus, any assassination attempt can be prevented thanks to the damage give to the tires. The height of the blades are 80 mm but is possible to make production in special sizes depending on customer's demand. The level of the noise arising from impact to these blades has been reduced with special rubber. Epoxy paint or electrostatic powder coat resistant to the external factor is used as the paint of the product due to our quality understanding. Furthermore.



### Technical Specifications

Trap Length	1000mm to 6000 mm
Trap Blade Height	80 mm
Trap Blade Thickness	10mm
Trap Blade Model	Double Blade
Moving Part Material	S275JR Steel
Drive Movement	Electrical Driven
Rising / Falling Time	3-5 sec.
Control Panel	PLC Board
Power Supply	Single Phase 220 V AC, 50/60 HZ
Safety Support	Loop Detector
Compatibility with Access Control Systems	License Plate Recognition, Card Reader, Fingerprint etc.
Operating Temperature	-25°C +50°C

### Optional Specifications

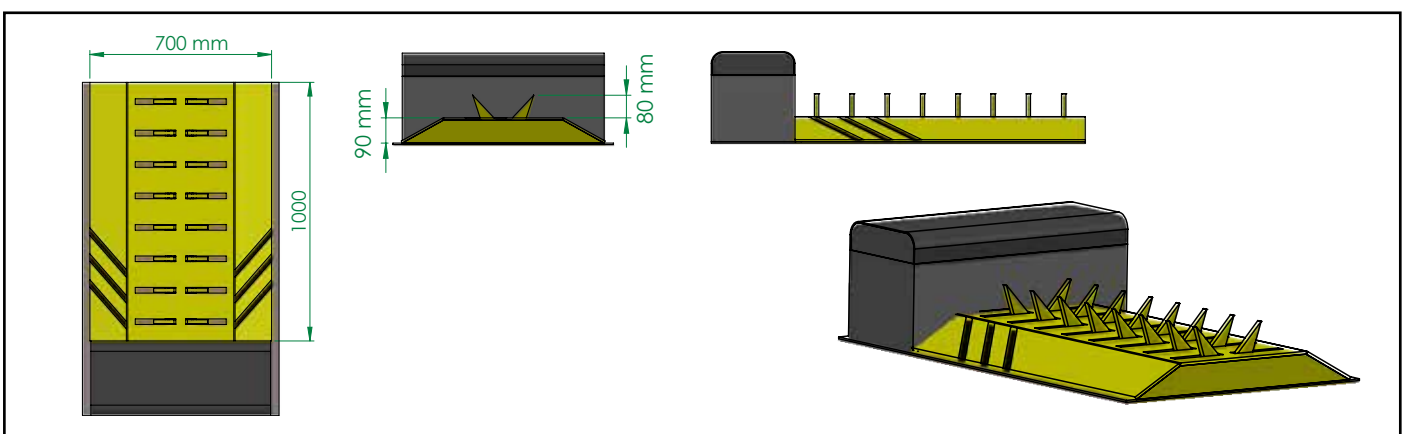
Warning Equipment	Traffic Light
Control Panel	PLC (Programmable Logic Controller)
System Security Support	Safety Photocell
UPS (Back-up Power System)	In Case of Power Failure

### Images



### Images

### Technical Drawing





**Arma**Technic



**7/24 at your service with professional team...**





# COMPONENTS



## Electrical Motor

The electric motor drives the hydraulic pump



## Hydraulic Pump

The pump is mechanically connected to the electric motor and provides the required pumping pressure



## Directional Control Valve

These solenoids operated directional control valves are for directing and stopping flow at any point in a hydraulic system



## Hand Pump

In case of electrical failure, a manual hand pump is provided to enable the system to be pressurized



## Pressure Gauge

The pressure gauge shows the actual HPU system pressure



## Oil Indicator Level

The oil site gauge gives an easy indication of the fluid level



## Hydraulic Tank

The tank reservoir holds the hydraulic fluid that is not under pressure



## Flow Control Valve

The flow control valve(s) are used to control the amount of flow of hydraulic fluid both to and from the blocker under control



## Accumulator

The accumulator acts as a pressure reservoir to store pressurized fluid



# COMPONENTS



## Hydraulic Hoses

High pressure hydraulic hose used to connect the HPU the Road Blockers or Bollards



## PLC (Programmable Logic Control)

Intelligent relays are designed to simplify electrical wiring.



## Electronic Circuit Board (New Design)



## Remote control

Wireless operation command



## Loop Detector

Safety device using for parking and vehicle access control application



## Emergency Button



## Cooler



## Heater



## Proximity Switch

Inductive proximity sensors are used for non-contact detection of metallic objects to limit the opening and closing operation.



**Tested by AISICO**



**HIGH SECURITY TELESCOPIC ROAD BLOCKER  
7500 KG / 80 KM**

**1**

**T**



**HIGH SECURITY HYDRA  
7500 /**

**Tested by AISICO**



**HIGH SECURITY ROAD BLOCKER 12000 KG / 80 KM**

**4**



**HIGH SECURITY ROAD BL**

**SUPERIOR SUCCESS IN ALL TEST**





Tested by AISICO

HYDRAULIC RISING BOLLARD  
65 KM

2



Tested by AISICO

HIGH SECURITY HYDRAULIC RISING BOLLARD  
7500 / 80 KM

3



Tested by MIRA

DOCKER 7500 KG / 80 KM

5



**ArmaKontrol**  
**COMING SOON**

6





**ArmaKontrol**



**h: 90 cm**  
Crash Test Certification from AISICO



**h: 110 cm**  
Crash Test Certification from AISICO



[www.armakontrol.com](http://www.armakontrol.com)





3 mt. / h: 90 cm

Crash Test Certification from MIRA



3 mt. / h: 105 cm

Crash Test Certification from AISICO



3 mt. / h: 110 cm

Crash Test Certification from AISICO





WE EXPORT HIGH  
**SECURITY**  
PRODUCTS TO  
MORE THAN 52 COUNTRIES





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**ArmaKontrol**

**FACTORY**

Beylikduzu OSB, Mermerciler San,  
Sitesi 2.Cadde No:11 Yakuplu /  
Beylikduzu - Istanbul / Turkey  
P: +90 212 222 75 00  
Fax: +90 212 220 32 83  
arma@armakontrol.com

**ANKARA REGIONAL DIRECTORATE**

Via Flat İş Merkezi Beştepe Mah.  
Nergis Sokak 7/2 Kat: 3 İc Kapi No:  
87 Söğütözü / Yenimahalle  
Ankara / Turkey  
P: +90 312 219 19 28  
ankara@armakontrol.com

**ASIAN SIDE AUTHORIZED SERVICE**

Mimar Sinan Mah. Uskudar Cad. No:1  
Yedpa Ticaret Merkezi G Caddesi  
No: 102 Atasehir/ Istanbul / Turkey  
P: +90 212 549 26 48

**BATMAN OFFICE**

Belde Mah. T.P.A.O Bulvarı No:258/B  
Batman / Turkey  
P: +90 488 214 56 87  
batman@armakontrol.com.tr

**EUROPEAN SIDE AUTHORIZED SERVICE**

Orucreis Mahallesi, Giyimkent 19.  
Sokak Giyimkent Sitesi B200 Apt.  
No: 21/A Esenler / Istanbul / Turkey  
P: +90 212 549 26 48

**KOSOVA OFFICE**

Str. Ferid Curri  
Lagjeja: Arbria rruga per Mini-Maxi  
Prishtine - Kosova - 10000  
P: +386/0/49 440-127  
+377/0/44 193-330  
armakos2011@gmail.com  
www.armakos.com

**DIYARBAKIR**

**REGIONAL DIRECTORATE**

Mehmet Uzun Cd. Kamislo Bulv.  
Bagcilar Mh. No:7 Zevrei Apt.  
Daire No:8 (Tüvtürk Bitisiği)  
Baglar / Diyarbakir / Turkey



armakontrol



arma\_kontrol



armakontrolsistemleri



armakontrolsistemleri



+90 541 344 26 72

www.armakontrol.com  
arma@armakontrol.com