FADINI



BOLLARDS

PROTECTION | SECURITY | DESIGN

CATALOGUE
AUTOMATIC AND SEMIAUTOMATIC OIL-HYDRAULIC
RETRACTABLE BOLLARDS, REMOVABLE AND FIXED BOLLARDS

.26

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FADINI



WHY CHOOSE FADINI?

01

MADE IN ITALY

Since 1991, FADINI has designed and manufactured security and access control solutions in Italy.

In-house production allows direct control over every stage of the process, ensuring consistent quality, reliability and attention to detail — an authentic expression of industrial Made in Italy.

02

RELIABILITY

FADINI bollards are designed to ensure consistent performance, even under intensive use.

Selected materials and proven construction solutions reduce maintenance requirements and guarantee long-lasting service continuity.

03

FLEXIBILITY

The FADINI range adapts to every context: urban, residential or high-security applications.

Modular configurations and a wide range of accessories make it possible to respond precisely to different project requirements.

The history of Meccanica Fadini is a path marked by a constant evolution towards new technological and market frontiers.

1991



STRABUC 918

Once again, Meccanica Fadini responds to market requirements by beginning the production and sale of its first automatic oil-hydraulic bollards.

2002



SIBLI 17

First high-security anti-ram removable bollard. External finish in AISI 304 stainless steel. Designed for sites where installing a foundation casing is not possible or where no power supply is available.

2004



CORAL VIGILO

FADINI introduces a range of retractable bollards for residential and communal applications. The moving cylinders are available in diameters of 100 or 200 mm and in various heights, with optional LED lights. The technical innovation consists in positioning the hydraulic power unit outside the moving cylinder, in the upper section of the foundation casing, to facilitate access during installation and maintenance.

2006



STRABUC 930 OPINAT

The Italian Ministry of Transport approved STRABUC 930 OPINAT for use as a parking or traffic bollard. Today, the success of this bollard is demonstrated by the hundreds of units operating every day in squares, historic city centres and limited-traffic zones in small and large Italian cities.

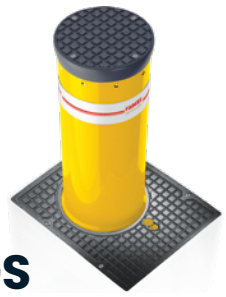
2005



MASPI 241

FADINI develops its first manually operated bollard. The original model used a mechanical spring to assist lifting; today, the GASPO 252 is operated by two gas springs.

2016



TALOS

Fully retractable automatic oil-hydraulic bollard, designed to provide fast and reliable protection for private and public access points. The Talos series also includes a complete range of semiautomatic and fixed bollards.

PIONEERS BOLLARDS | 1991

STRABUC 918





Pioneers in automatic bollards: from the first installation in 1991 to a range of over 70 models

In 1991, FADINI filed one of the first Italian patents for automatic hydraulic bollards. At a time when the industry was still in its infancy, we designed and developed the prototype shown above: a robust retractable bollard, operated by a hydraulic system and activated with the push of a button.

Today, that pioneering idea has evolved into a comprehensive range of more than 70 models, including automatic, semi-automatic, removable and fixed bollards. The range also features anti-terrorism models, crash-tested and certified in accordance with major European and international standards (K4 and K12), as well as a model approved by the Italian Ministry of Transport for installation in public areas.

From private residences and historic city centres to critical infrastructure, FADINI bollards combine design, hydraulic reliability and integrated electronics to ensure safety and smooth traffic flow. The same passion that inspired us then still drives our engineers today: continuous innovation, Made in Italy quality and over 30 years of experience are the DNA of FADINI bollards.

HISTORIC BRAND 2025

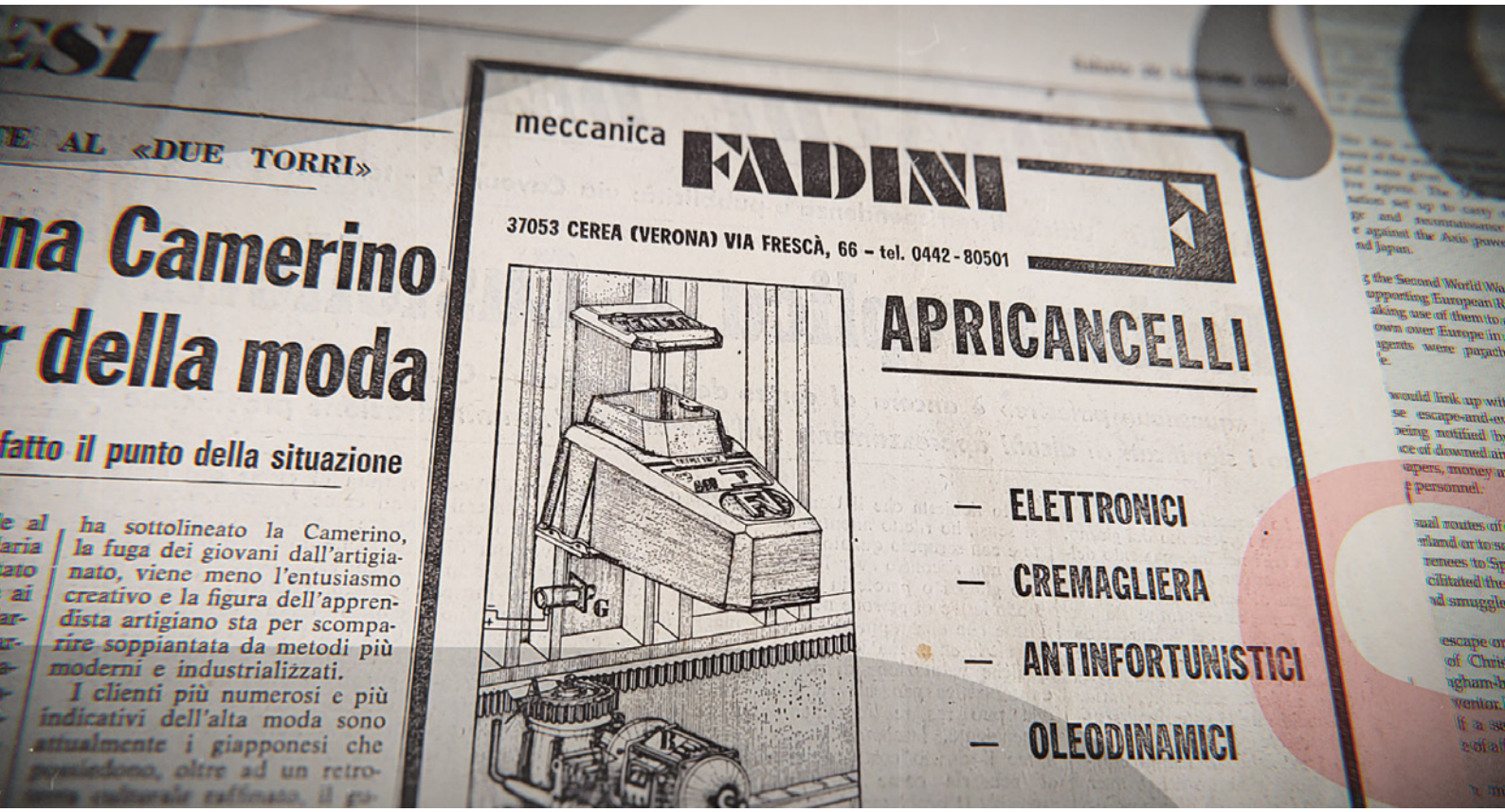
One Family, One Brand, One Vision

On November 14, 2025, the Italian Ministry of Enterprises and Made in Italy officially registered the FADINI brand in the Register of Historic Brands of National Interest.

The Historic Brand is an official recognition granted by the Italian State to brands that represent a significant part of the country's industrial history.
It is awarded to companies that have been operating for more than fifty years, have used their brand continuously over time and have maintained a strong connection with the Italian territory.

Being recognized as a Historic Brand means that the name is not merely a commercial brand, but a heritage of industrial culture, built on expertise, innovation and continuity, and recognized as a guarantee of reliability and identity for customers, partners and the market.





Research and development

Over the years, Meccanica Fadini has filed **numerous European and international patents** dedicated to its bollards, confirming its constant commitment to research, development and technological innovation.

Since **2016,** the company has further strengthened this path with the creation of a **production plant dedicated exclusively to bollard manufacturing.**

Within this site, every stage of the process is managed directly: from mechanical machining and metal fabrication to complete assembly and final operating tests.

This integrated production organization ensures **constant quality control, maximum product reliability and compliance** with the **high technical standards** required for urban, infrastructure and advanced security applications.



Total quality control

Every FADINI bollard undergoes **100% inspection**, carried out on each individual product before final approval.
This process makes it possible to accurately verify **technical compliance**, the **correct execution of all manufacturing operations** and **adherence to the company's quality standards.**

A constant and rigorous control process that ensures **long-lasting reliability, operational safety** and the highest quality for every installation.









100% functional testing

Every FADINI automatic bollard undergoes complete 100% functional testing, during which it operates for an entire day, simulating real conditions of use. The tests include complete and intensive raising and lowering cycles, repeated continuously.

Endurance tests are also carried out to verify the possible presence of malfunctions, operating anomalies or the need for extraordinary maintenance, thereby ensuring reliability, service continuity and long-lasting performance.



Climatic chamber

FADINI bollards undergo thermal operating tests in a climatic chamber, with temperatures ranging from **-45 °C** to **+80 °C**, in order to simulate extreme environmental conditions.
These tests make it possible to verify the **correct operation**, **operating reliability** and **long-term durability of the hydraulic devices**, ensuring consistent performance even in particularly demanding climatic conditions.

Quality of materials and treatments

The construction quality of FADINI bollards is ensured by the use of **selected materials** and **certified surface treatments.**
All foundation boxes are protected by **hot-dip galvanizing certified according to UNI EN ISO 1461**, while the moving cylinder is treated with **cataphoresis and polyester powder coating**, in compliance with the standards set by **EN ISO 9227**.

These technical solutions ensure **corrosion resistance, long-term reliability and maximum durability** even in complex urban and infrastructure environments.



Soil permeability

Before installing the bollards, check the type of soil and, above all, its permeability. Practical test to be carried out: dig a hole in the ground, prepare a suitable drainage base and check that the water drains correctly and within a short time. 50 litres / 13.2 gal of water must drain away in no more than 30/40 minutes.

Otherwise, it is advisable to channel the water into a separate collection tank and, if necessary, provide for the use of an electric pump.



Maintenance

FADINI automatic and semi-automatic bollards are designed and manufactured to ensure high reliability, long service life and consistent performance, even in intensive-use applications. The quality of the materials used and the technical solutions adopted make it possible to minimize routine maintenance requirements.

Periodic maintenance of the system, however, remains essential to preserve its safety, functionality and efficiency over time. In compliance with current regulations and the provisions applicable to automatic closures and devices installed in public or private areas, the owner and/or operator of the system is required to ensure that it is maintained in safe working condition through periodic inspections and checks carried out by qualified personnel.

The frequency of maintenance operations must be determined according to the intensity of use, environmental conditions and the characteristics of the installation. All routine and extraordinary maintenance activities must be recorded in accordance with local regulations and the technical documentation of the system.

For inspection, maintenance and verification procedures, always refer to the instruction manual supplied with each FADINI bollard.

If necessary, always use original FADINI spare parts.

Performance

The data provided for each bollard are indicative, as they may vary depending on different environmental conditions, compaction levels, soil permeability coefficients and types of concrete.

The maximum frequency of use indicated (cycles/day) refers to optimal installations under ideal environmental conditions.

Protection

All automatic bollards are equipped with a manual release system, allowing them to be lowered in case of emergency using the dedicated key. It is always recommended to provide adequate protection for the installation area by means of specific accessories, such as metal mass detectors, photocells, warning signs, acoustic warning devices, etc.

E.A.R. 35 is an acoustic detector that allows the bollards to be lowered in order to permit transit, in case of emergency, for public rescue vehicles with two-tone sirens activated. Bollards equipped with a solenoid valve lower automatically in the event of a power failure. Bollards can be operated by different types of control devices: remote controls, key switches and transponders.





CRASH TEST

When strength meets precision

FADINI bollards are subjected to crash tests using dedicated equipment designed and manufactured in our facilities.
The tests are carried out using a pendulum on which a non-deformable mass of 1,000 kg can be mounted, in order to verify and calculate impact and breakout resistance values and to test the quality of the bollards' structural components.
Structural calculations are available for selected models. These are carried out by independent professionals and certify the structural and resistance characteristics of the bollards.

For installations requiring the highest level of security, FADINI bollards are also available with the EFO (Emergency Fast Operation) function for rapid emergency raising.

Security Certificates

Crash tests carried out by accredited testing bodies in accordance with international standards.

	TALOS C750 K12	TALOS M50 K12	TALOS C730 K4
ASTM	-	7,2 t - 80 km/h ▪ 16.000 lb - 50 mph 6800 kg - 80 km/h ▪ 15.000 lb - 50 mph	7,2 t - 48 km/h ▪ 16.000 lb - 30 mph 6800 kg - 50 km/h ▪ 15.000 lb - 30 mph
PAS 68	7,5 t - 80 km/h ▪ 16.000 lb - 50 mph 6800 kg - 80 km/h ▪ 15.000 lb - 50 mph	7,5 t - 80 km/h ▪ 16.000 lb - 50 mph 6800 kg - 80 km/h ▪ 15.000 lb - 50 mph	7,5 t - 48 km/h ▪ 16.000 lb - 30 mph 6800 kg - 48 km/h ▪ 15.000 lb - 30 mph
IWA:14	7,2 t - 80 km/h ▪ 16.000 lb - 50 mph 6800 kg - 80 km/h ▪ 15.000 lb - 50 mph	7,2 t - 80 km/h ▪ 16.000 lb - 50 mph 6800 kg - 80 km/h ▪ 15.000 lb - 50 mph	7,2 t - 48 km/h ▪ 16.000 lb - 30 mph 6800 kg - 48 km/h ▪ 15.000 lb - 30 mph





HIGH SECURITY HYDRAULIC AUTOMATIC BOLLARDS

PAS 68 IMPACT TESTED
IWA 14-1 IMPACT TESTED
ASTM INTERNATIONAL

TALOS C750

07/06/2023
Truck | 7,5 t | 80 km/h
Performance classification:
K12 | M50 | C750

TALOS M50

30/03/2016
Truck | 7,5 t | 80 km/h
Performance classification:
K12 | M50 | C750

TALOS C730

09/01/2020
Truck | 7,5 t | 48 km/h
Performance classification:
K4 | M30 | C730

SCAN HERE
Discover our range of bollards for perimeter protection

References
STRABUC 930 OPINAT

Ministry of Transport
Ministerial Decree
D.D. 25477 of 9 August 2006

STRABUC 930 OPINAT automatic bollards provide an effective solution for managing and securing vehicle access. Designed to blend harmoniously into prestigious architectural settings, they ensure protection, control and full usability of pedestrian areas, combining functionality and aesthetics.



PIAZZA BRA, VERONA

Fig. 1 below: in the heart of Verona, in one of Europe's most charming squares, FADINI STRABUC 930 OPINAT bollards protect the pedestrian area and the entire historic centre. Piazza Bra, dominated by the Arena, is now protected by a modern and discreet security system designed to ensure maximum protection while respecting the architectural setting.



GORIZIA

Fig. 2 above: for the inauguration of the renovated Piazza Transalpina, between Gorizia and Nova Gorica, the area was secured with 8 FADINI bollards. Vehicle access protection and full pedestrian accessibility in a symbolic cross-border space.



References
VIGILO

VIGILO automatic bollards offer reliable solutions for access control in residential, urban and industrial applications.
Thanks to their versatility and robust construction, they ensure safety, operational continuity and perfect integration with the surrounding environment.



HIMMERLAND RESORT, GATTEN

Fig. 3 right and below: several installations with FADINI VIGILO bollards have been carried out in the Gatten area, in both residential and industrial settings. In residential applications, they improve security and traffic control without compromising aesthetics; in industrial settings, they ensure protection of sensitive areas and access control.
Versatile, reliable and long-lasting solutions.





SCHIPHOL AIRPORT, AMSTERDAM

Fig. 4 left: at the World Trade Center of Schiphol Airport, vehicle access to the front area is managed by FADINI VIGILO bollards with stainless steel columns. Designed for sensitive and high-traffic environments, they ensure security, reliability and smooth traffic flow, combining robustness, corrosion resistance and refined aesthetics.

References
TALOS 94 | 96

TALOS 94 and TALOS 96 are designed to ensure access control and the protection of public and private spaces. Reliability, strength and architectural integration allow them to operate in complex urban environments, while maintaining high standards of security and service continuity.



PALACE OF CULTURE AND SCIENCE, WARSAW

Fig. 5 left: in the square surrounding the Palace of Culture and Science in Warsaw, vehicle access and perimeter security are ensured by the installation of FADINI TALOS 96 bollards.
In one of the city's landmark locations, these solutions protect the area against unauthorized access, while maintaining full pedestrian usability and blending into the monumental setting.

TORONTO, CANADA

Fig. 6 below: in Canada, a prestigious private villa has been equipped with FADINI **TALOS 94** bollards to ensure secure access, while fully respecting the architectural elegance of the property.
The system blends discreetly into the surrounding environment and ensures reliable performance even in extreme climatic conditions, maintaining constant functionality despite frost, snow and harsh winters.



KOLDING, DENMARK

Fig. 7 right: in the heart of Kolding, one of Denmark's most charming cities, the central pedestrian area has been secured with the installation of FADINI **TALOS 94** bollards. The solution protects pedestrian zones against unauthorized vehicle access, ensuring security without altering the open and welcoming character of the historic centre, with long-lasting reliability and discretion.



References
TALOS anti-terrorism

TALOS C730 | M50 | C750 automatic anti-terrorism bollards are designed to protect sensitive infrastructures and high-risk areas against unauthorized vehicle access.
Certified according to international standards, they ensure high levels of impact resistance, operational reliability and security, even in extreme environmental conditions.



KALMAR, SWEDEN

Fig. 8 right: in the centre of Kalmar, Sweden, the security of public spaces has been enhanced with the installation of 20 FADINI **TALOS C730** K4-certified anti-terrorism bollards.
The solution prevents unauthorized vehicle access, ensuring high standards of protection and reliability even in extreme Nordic climatic conditions, including frost, snow and low temperatures.

NËNË TEREZA AIRPORT, TIRANA

Fig. 9 below: at Tirana International Airport Nënë Tereza, one of the most strategic infrastructures in the Balkans, FADINI **TALOS M50** bollards ensure high levels of security and protection.
The system provides effective access control, maintaining high security standards without interfering with the airport's daily operations.





SAARBRÜCKEN, GERMANY

Fig. 10 left: at JVA Saarbrücken, one of the city's main correctional facilities, a high-security perimeter protection system has been created with the installation of FADINI **TALOS M50** fixed and automatic bollards, K12-certified.
They protect critical access points and sensitive areas, preventing unauthorized vehicle intrusion. The combination of fixed and automatic versions ensures permanent protection and controlled access according to operational requirements.

ICON LEGEND



AUTOMATIC BOLLARDS
Mobile system designed to control and prevent vehicle passage or parking, equipped with an oil-hydraulic operator using pressurized hydraulic oil for movement.



REMOVABLE BOLLARDS
Removable mobile system designed to control and prevent vehicle passage in low-traffic areas or in installations with limited excavation depth.



SEMIAUTOMATIC BOLLARDS FOR ELECTRIC POWER SUPPLY
Manually operated mobile system designed to provide electric power supply, equipped with a gas-spring movement system.



EFO
Automatic bollard equipped with EFO (Emergency Fast Operation) device for quick rising in emergency situations.



-40 °C
Technology designed to allow the automatic bollard to operate even at extremely low temperatures, down to -40 °C, without risk of freezing.



FAIL SAFE
Safety function that ensures automatic lowering of the bollard to the safe position in the event of system faults. In case of power failure, the bollard lowers automatically, allowing free vehicle passage, including emergency vehicles. This configuration is particularly suitable for installations in public areas, escape routes and urban contexts, where continuous access is a priority safety requirement.



SEMIAUTOMATIC BOLLARDS
Manually operated mobile system designed to control and prevent vehicle passage or parking, equipped with an operator using gas springs for movement.



FIXED BOLLARDS
Device designed to be installed directly into the ground, ideal for delimiting public or private areas, preventing vehicle parking or access, and providing anti-ram protection for shop windows and sensitive access points.



CRASH TEST
Bollard subjected to certified crash testing according to international standards.



LED
High-brightness, high-visibility LED technology, designed to ensure energy savings of up to 95% and a service life up to 50 times longer than traditional incandescent lamps.



HRC
In the HRC (High Resistance Cylinder) version, the bollard in raised position remains guided inside the pit for 40 cm, compared with 20 cm in the standard version. This configuration ensures greater resistance to impact and breakout attempts.



FAIL SECURE
Safety function that keeps the bollard in blocking position even in the event of power failure: the bollard remains in raised position, ensuring continuous perimeter protection and preventing unauthorized vehicle access. **All FADINI bollards are configured as standard in FAIL SECURE mode, thus ensuring the highest level of safety and area protection even without power supply.**

CAPTIONS



Residential and collective applications



Industrial applications



Urban applications



Automatic bollards



Semiautomatic bollards



Removable bollards



Fixed bollards



Accessories



Electronic control panels

ø
Indicates the diameter of the bollard moving cylinder/column

H
Indicates the above-ground height of the bollard moving cylinder/column

t
Indicates the thickness of the bollard moving cylinder/column





AUTOMATIC
bollards

CORAL	24
VIGILO	26
TALOS series	28
TALOS C730	30
TALOS M50	32
STRABUC 930 OPINAT	34

GUIDE TO CHOICE

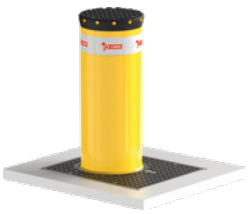
FOR AUTOMATIC BOLLARDS

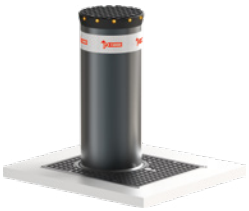
CORAL	230 Vac	ø 100 mm	t 5 mm	500 mm	**1050L**
				600 mm	**1059L**
				800 mm	**1080L**
VIGILO	230 Vac	ø 200 mm	t 4 mm	500 mm	**2250L**
				600 mm	**2263L**
				800 mm	**2280L**

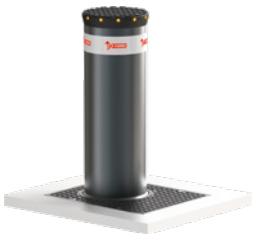




TALOS 94	230 Vac	ø 275 mm	t 4 mm	500 mm	**9450L**
				600 mm	**9460L**
				700 mm	**9470L**
				800 mm	**9480L**
TALOS 96	230 Vac	ø 275 mm	t 12 mm	500 mm	**9651L**
				600 mm	**9661L**
				700 mm	**9671L**
				800 mm	**9681L**
TALOS M30	230 Vac	ø 275 mm	t 12 mm	800 mm	**9682L**







SENSITIVE AREAS.
ANTI-TERRORISM DEFENCE

TALOS C730 7,5 t | 48 km/h	230 Vac	ø 275 mm	t 12 mm	1000 mm	**9685L**	
TALOS M50 7,5 t | 80 km/h	230 Vac	ø 275 mm	t 20 mm	1000 mm	**9690L**	

URBAN DESIGN.
ITALIAN MINISTRY OF TRANSPORT

STRABUC 930 **OPINAT**	230 Vac	ø 275 mm	t 12 mm	700 mm	**9328L**	

CORAL

Fully retractable bollard for access control.
Automatic oil-hydraulic operator, 230 Vac

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating.



Head with rubber corner guard, 4 LED lights (optional).

Scratch-resistant cylinder

Independent oil-hydraulic power unit for each bollard, positioned in the upper section: no damage in the event of impact and greater protection of the components. Reduced rust formation, easier maintenance and shorter intervention times.

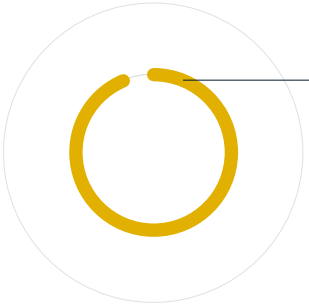
Manual lowering release system

Design and manufacturing

Suitable for controlling residential areas and regulating access to commercial and industrial complexes. Hydraulic locking holds the bollard in the raised position (fail secure - standard), with emergency lowering using the supplied release key. An optional fail-safe function allows automatic lowering in the event of a power failure. Tested for intensive use at both low and high temperatures.

Quick and easy installation

The lightweight foundation casing requires no special excavation or masonry work. Hall-effect limit sensors. A wide range of control and safety accessories ensures efficient and accurate system management. The control panel can manage up to four bollards simultaneously.

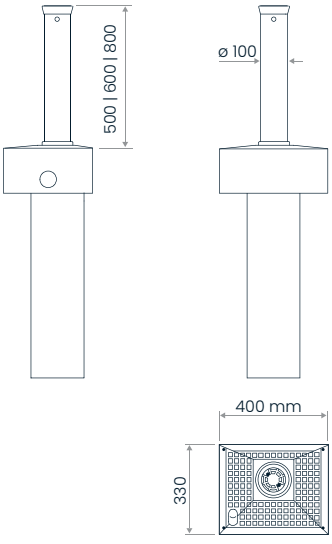


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	30.000 J	150.000 J

TECHNICAL DATA

	CORAL
Power supply (Vac - Hz)	230 - 50
Max. absorbed power (W)	330
Max. absorbed current (A)	1,8
Height (mm)	500 | 600 | 800
Cylinder diameter (mm)	100
Cylinder thickness (mm)	5
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	heavy duty | 2000
Maximum static load (kg)	20.000
Working temperature (°C)	-20 ÷ +80 | -40 *[A]*

DIMENSIONS



[A] Possibility to install the automatic bollard in very cold areas, down to -40 °C, without freezing problems. Refer to code No. 2590L or, as an alternative for existing installations, code No. 2746L.



VIGILO

Fully retractable bollard for access control.
Automatic oil-hydraulic operator, 230 Vac

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Brushed stainless steel **AISI 304**

Head with rubber corner guard, 8 LED lights (optional).

Scratch-resistant cylinder



Independent oil-hydraulic power unit for each bollard, positioned in the upper section: no damage in the event of impact and greater protection of the components. Reduced rust formation, easier maintenance and shorter intervention times.

Manual lowering release system

Design and manufacturing

Suitable for controlling residential areas and regulating access to commercial and industrial complexes. Hydraulic locking holds the bollard in the raised position (fail secure - standard), with emergency lowering using the supplied release key. An optional fail-safe function allows automatic lowering in the event of a power failure. Tested for intensive use at both low and high temperatures.

Quick and easy installation

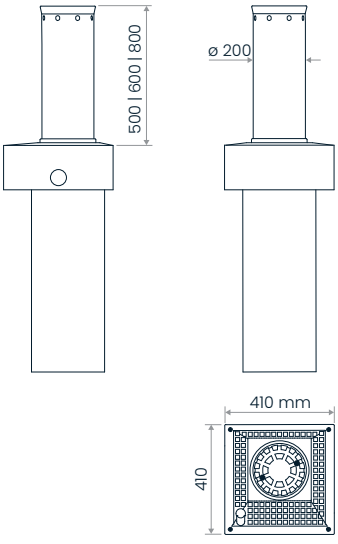
The lightweight foundation casing requires no special excavation or masonry work. Hall-effect limit sensors. A wide range of control and safety accessories ensures efficient and accurate system management. The control panel can manage up to four bollards simultaneously.

Model	Constr.	Impact Resistance	Breakout Resistance
-	-	30.000 J	160.000 J

TECHNICAL DATA

	VIGILO
Power supply (Vac - Hz)	230 - 50
Max. absorbed power (W)	330
Max. absorbed current (A)	1,8
Height (mm)	500 | 600 | 800
Cylinder diameter (mm)	200
Cylinder thickness (mm)	4
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	heavy duty | 2000
Maximum static load (kg)	20.000
Working temperature (°C)	-20 ÷ +80 | -40 *[A]*

DIMENSIONS



[A] Possibility to install the automatic bollard in very cold areas, down to -40 °C, without freezing problems. Refer to code No. 2590L or, as an alternative for existing installations, code No. 2746L.

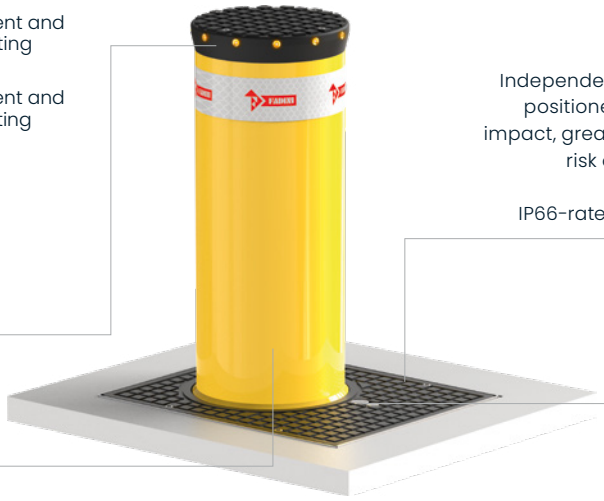


TALOS series

Fully retractable bollard for access control.
Automatic oil-hydraulic operator, 230 Vac

MATERIAL AND FINISH

- Steel with cataphoresis treatment and **RAL 1028** polyester powder coating
- Steel with cataphoresis treatment and **RAL 7016** polyester powder coating
- Brushed stainless steel **AISI 304**
- Brushed stainless steel **AISI 316**



Head with rubber corner guard, 12 integrated LED lights

Scratch-resistant cylinder

Independent hydraulic power unit for each bollard, positioned at the top: no damage in the event of impact, greater protection for components, reduced risk of rust, easier maintenance, and shorter intervention times.
IP66-rated connector and junction box for wiring.

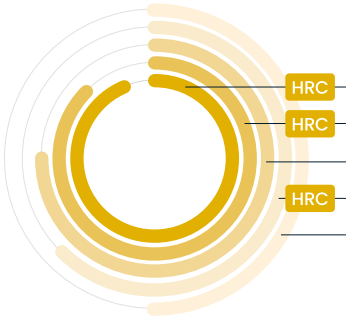
Manual lowering release system

Safe

Designed to protect sites requiring a high level of anti-ram security and a high number of daily vehicle movements, such as shopping centres, banks, car dealerships, etc. Ideal for access control in residential, commercial and industrial areas. Hydraulic locking holds the bollard in the raised position (fail secure - standard), with emergency lowering using the supplied release key. An optional fail-safe function allows automatic lowering in the event of a power failure. Heater for low-temperature operation down to -40 °C.

Quick and easy installation

The lightweight foundation casing requires no special excavation or masonry work. Hall-effect limit sensors. A wide range of control and safety accessories ensures efficient and accurate system management. The control panel can manage up to four bollards simultaneously.

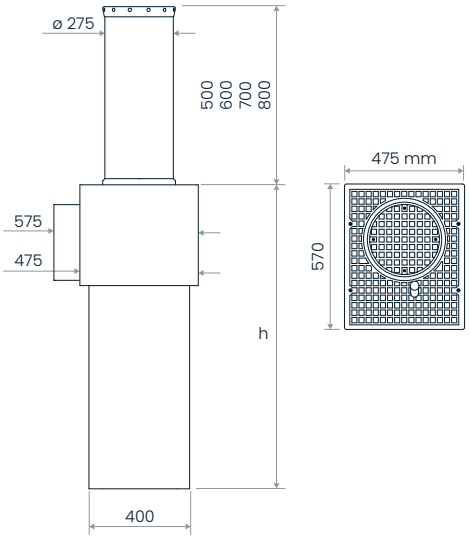


Model	Constr.	Impact Resistance	Breakout Resistance
TALOS M30	**400 mm**	150.000 J	700.000 J
TALOS 96	**400 mm**	90.000 J	550.000 J
TALOS 96	**200 mm**	60.000 J	450.000 J
TALOS 94	**400 mm**	70.000 J	420.000 J
TALOS 94	**200 mm**	52.000 J	320.000 J

TECHNICAL DATA

	TALOS 94 | 96	TALOS M30
Power supply (Vac - Hz)	230 - 50	230 - 50
Max. absorbed power (W)	1100	1100
Max. absorbed current (A)	1,8 ÷ 3,5	1,8 ÷ 3,5
Height (mm)	500 | 600 | 700 | 800	800
Cylinder diameter (mm)	275	275
Cylinder thickness (mm)	4 | 12	12
Foundation casing	hot-dip galvanized	hot-dip galvanized
Duty cycle (cycles/days)	heavy duty | 2000	heavy duty | 2000
Maximum static load (kg)	20.000	20.000
Working temperature (°C)	-20 ÷ +80 (-40 with heater)	-20 ÷ +80 (-40 with heater)

DIMENSIONS





TALOS C730

Automatic bollard for perimeter security.
Anti-terrorism certified K4 | M30 | C730

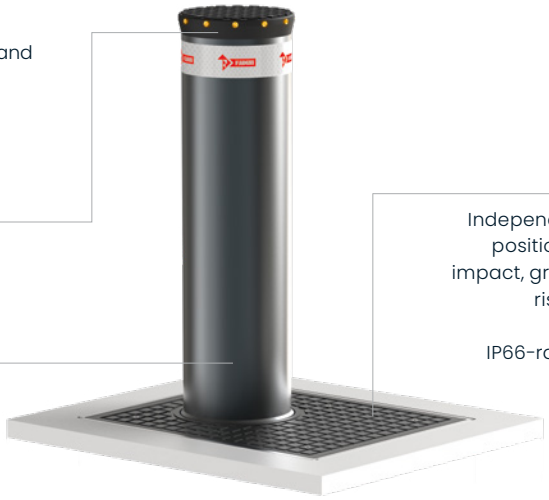
MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Brushed stainless steel **AISI 304**

Certifications

ASTM F2656-18A C730
PAS 68:2013 V/7500 (N3)/48
IWA 14-1:2013 V/7200 [N3C]/48



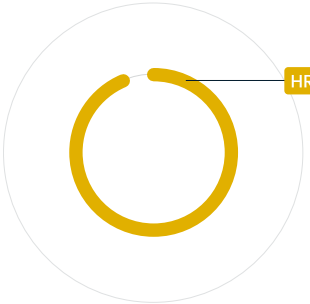
Head with rubber corner guard,
12 integrated LED lights

Scratch-resistant cylinder

Independent hydraulic power unit for each bollard, positioned at the top: no damage in the event of impact, greater protection for components, reduced risk of rust, easier maintenance, and shorter intervention times.
IP66-rated connector and junction box for wiring.

Crash Test

Designed for vehicle access control and the protection of sensitive sites, such as military barracks, police headquarters, airports, etc., where a high level of perimeter security against terrorist attacks is required. Tested in a single-unit installation to stop a 7.5 t vehicle travelling at 48 km/h.



Model	Constr.	Impact Resistance	Breakout Resistance
-	**400 mm**	250.000 J	750.000 J

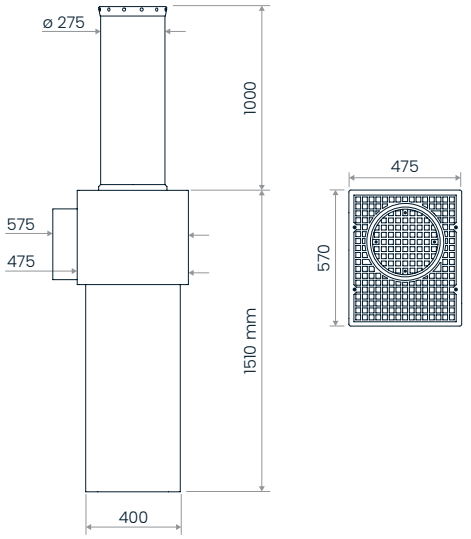
Oil-hydraulic technology

Hydraulic locking to hold the bollard in the raised position (fail secure). Anti-tamper cover designed to prevent access to the manual release system, thus avoiding unauthorized lowering. Hall-effect limit sensors. Wide range of control and safety accessories to ensure efficient and accurate system management.
Acoustic movement warning device. Heater to extend operation down to -40 °C in areas where snow and ice are more frequent. The control panel can manage up to 4 bollards simultaneously.

TECHNICAL DATA

	TALOS C730
Power supply (Vac - Hz)	230 - 50
Max. absorbed power (W)	2750
Max. absorbed current (A)	15
Height (mm)	1000
Cylinder diameter (mm)	275
Cylinder thickness (mm)	12
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	heavy duty | 2000
Maximum static load (kg)	20.000
Working temperature (°C)	-20 ÷ +80 | (-40 with heater)

DIMENSIONS





TALOS M50

Automatic bollard for perimeter security.
Anti-terrorism certified K12 | M50 | C750

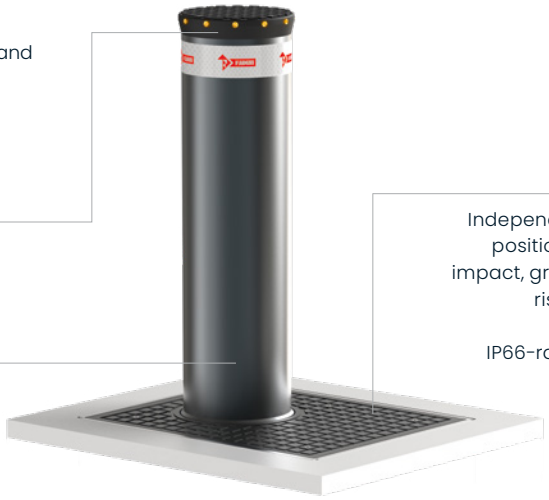
Certifications

ASTM F2656-15 C750
PAS 68:2013 V/7500 (N3)/80
IWA 14-1:2013 V/7200 [N3C]/80

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Brushed stainless steel **AISI 304**



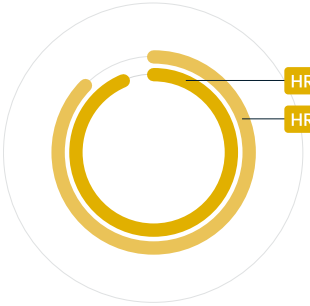
Head with rubber corner guard, 12 integrated LED lights

Scratch-resistant cylinder

Independent hydraulic power unit for each bollard, positioned at the top: no damage in the event of impact, greater protection for components, reduced risk of rust, easier maintenance, and shorter intervention times.
IP66-rated connector and junction box for wiring.

Crash Test

Designed for vehicle access control and the protection of sensitive sites, such as embassies, military bases, government buildings, banks, etc., where a high level of perimeter security against terrorist attacks is required. Designed and tested, in a single-unit installation, to stop a 7,5 t vehicle travelling at 80 km/h, while remaining fully intact and operational. Also available in the EFO version (Emergency Fast Operation) for rapid emergency raising.



Model	Constr.	Impact Resistance	Breakout Resistance
TALOS M50.EFO	**500 mm**	700.000 J	2.000.000 J
TALOS M50	**500 mm**	700.000 J	2.000.000 J

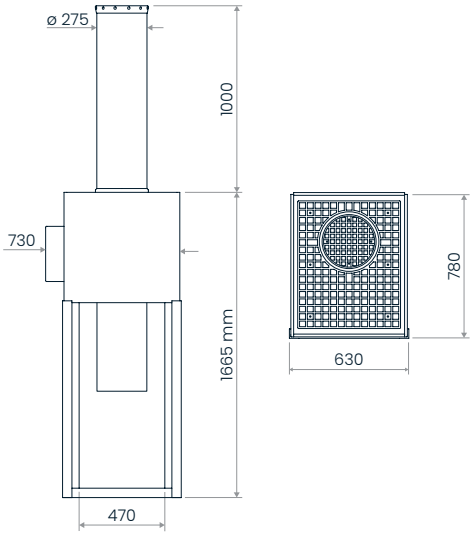
Oil-hydraulic technology

Hydraulic locking to hold the bollard in the raised position (fail secure). Anti-tamper cover designed to prevent access to the manual release system, thus avoiding unauthorized lowering. Hall-effect limit sensors. Wide range of control and safety accessories to ensure efficient and accurate system management. Acoustic movement warning device. Heater to extend operation down to -40 °C in areas where snow and ice are more frequent.

TECHNICAL DATA

	TALOS M50
Power supply (Vac - Hz)	230 - 50
Max. absorbed power (W)	3100
Max. absorbed current (A)	10 ÷ 13
Height (mm)	1000
Cylinder diameter (mm)	275
Cylinder thickness (mm)	20
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	heavy duty | 2000
Maximum static load (kg)	20.000
Working temperature (°C)	-20 ÷ +80 | (-40 with heater)

DIMENSIONS





STRABUC 930 OPINAT

Automatic bollard for perimeter security.
Approval by the Italian Ministry of Transport – 09/08/2006

Ministry of Transport
Ministerial Decree
D.D. 25477 of 9 August 2006

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Head with rubber corner guard, cataphoresis-treated aluminium, machined with an anti-slip finish resistant to foot traffic. 9 integrated LED lights



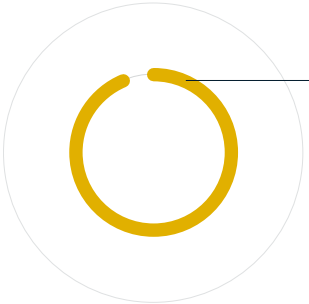
Hydraulic power unit and oil-hydraulic piston integrated inside the bollard structure and cylinder

Urban design and security

Designed for the regulation of vehicle traffic on public roads and for delimiting squares, historic centres, narrow streets, limited traffic zones (ZTL), pedestrian areas and municipal car parks. Minimum architectural, urban and environmental impact.

Certified security

Fail-safe function for automatic lowering in approximately 5 seconds in the event of a power failure. Complete range of accessories for a certified installation: metal mass detector, traffic light, warning sign, emergency command with automatic activation upon glass breakage, E.A.R. 35 acoustic detector for the sirens of public safety and emergency vehicles for immediate lowering, and acoustic movement warning device. The control panel can manage up to 4 bollards simultaneously.

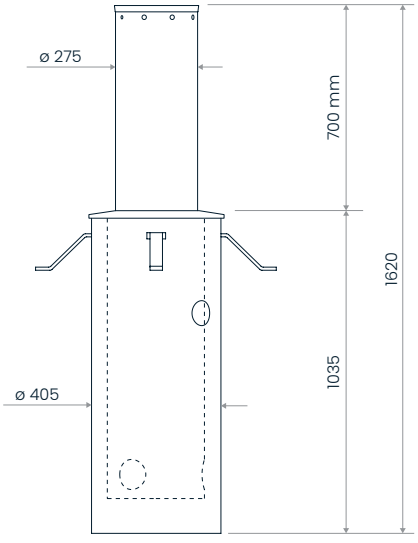


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	45.000 J	410.000 J

TECHNICAL DATA

	STRABUC 930 OPINAT
Power supply (Vac - Hz)	230 - 50
Max. absorbed power (W)	330
Max. absorbed current (A)	1,8
Height (mm)	700
Cylinder diameter (mm)	275
Cylinder thickness (mm)	12
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	heavy duty | 2000
Maximum static load (kg)	20.000
Working temperature (°C)	-20 ÷ +80 | -40 *[A]*

DIMENSIONS



[A] Possibility to install the automatic bollard in very cold areas, down to -40 °C, without freezing problems. Refer to code No. 2590L or, as an alternative for existing installations, code No. 2746L.

Fig. 1 right: installation conducted on Lake Garda.
Fig. 2 below: installation conducted in Menaggio, on Lake Como.









Figs. 3 and 4: installation performed in Piazza Bra, Verona.

SEMIAUTOMATIC
bollards

GASPO series 38

TALOS 94 40



GUIDE TO CHOICE

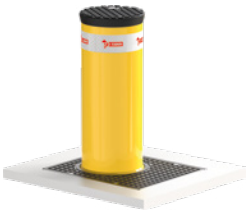
FOR SEMIAUTOMATIC BOLLARDS

GASPO 252	ø 200 mm	t 4 mm	500 mm	**2520L**
GASPO 254	ø 200 mm	t 4 mm	500 mm	**2527L**





TALOS 94	ø 275 mm	t 4 mm	500 mm	**9451L**
			600 mm	**9461L**
			700 mm	**9471L**
			800 mm	**9481L**



GASPO series

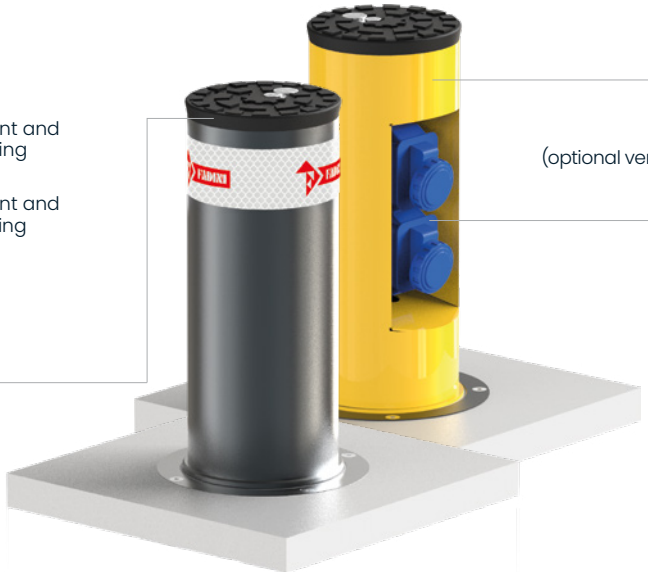
Retractable semiautomatic bollard

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 1028** polyester powder coating

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Brushed stainless steel **AISI 304**



Scratch-resistant cylinder

Two 230 Vac 1-phase sockets
(optional version with one 230 Vac 1-phase socket and one 400 Vac 3-phase socket)

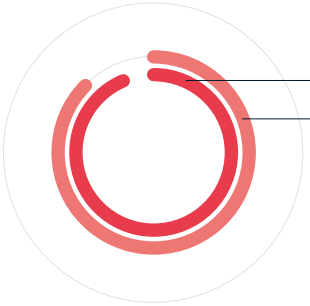
Head with rubber corner guard and anti-slip finish resistant to foot traffic.

Easy

Requires no specific adjustments or calibration; immediate installation: no power supply or wiring required (GASPO 252).
Quick and easy installation. Power only when needed: two power sockets are housed as standard inside the moving cylinder (GASPO 254).

Secure

Mechanical locking device to prevent accidental release of the cylinder, both in the raised and lowered positions.
Operation by shaped release key, optionally available with triangular profile.
Cylinder movement by gas springs: assisted raising of the cylinder, while lowering must be facilitated by applying light foot pressure on the bollard head.

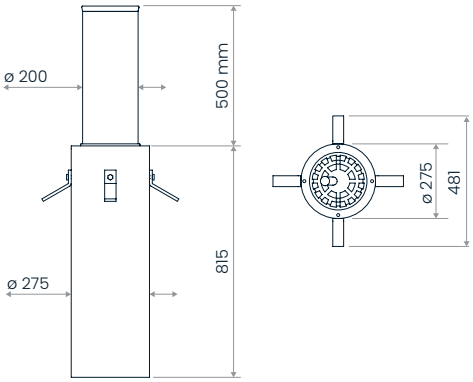


Model	Constr.	Impact Resistance	Breakout Resistance
GASPO 252	-	30.000 J	160.000 J
GASPO 254	-	30.000 J	160.000 J

TECHNICAL DATA

	GASPO 252 | 254
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	500
Cylinder diameter (mm)	200
Cylinder thickness (mm)	4
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	63 | 68

DIMENSIONS





TALOS 94

Retractable semiautomatic bollard

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 1028** polyester powder coating

Brushed stainless steel **AISI 304**

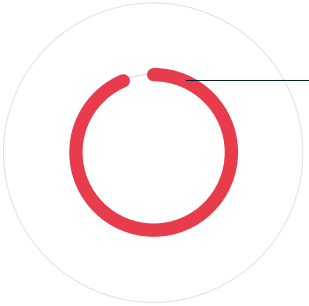


Versatile

It features the same design as the TALOS 94 and 96 automatic bollards, with which it matches perfectly to delimit or prevent the transit and parking of vehicles in public or private areas. It requires no specific adjustments or calibration and is quick to install: no power supply or wiring is required. The installed semi-automatic model can be replaced with the automatic TALOS version, as they use the same foundation box.

Quick and easy installation

Mechanical locking device to prevent accidental release of the cylinder, both in the raised and lowered positions. Operation by shaped key, optionally available with triangular profile. Lowering is facilitated by applying light foot pressure on the bollard.

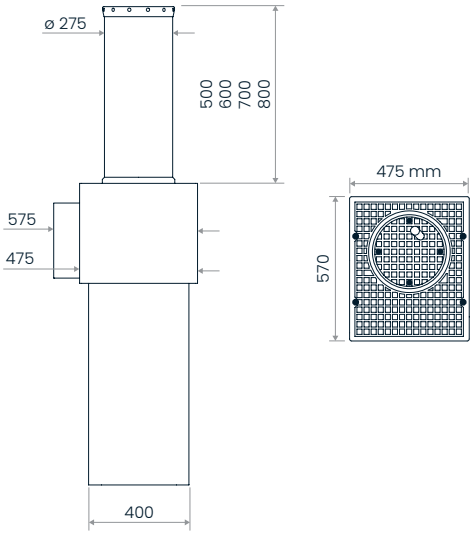


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	52.000 J	320.000 J

TECHNICAL DATA

	TALOS 94
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	500 | 600 | 700 | 800
Cylinder diameter (mm)	275
Cylinder thickness (mm)	4
Foundation casing	hot-dip galvanized
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	-

DIMENSIONS




ORIGAMI
BOOKS
Pharmacy

REMOVABLE
bollards

POSTO	44
SIBLI 17	45
VIMARI 2316	46
STRAMARI 2320	48



GUIDE TO CHOICE

FOR REMOVABLE BOLLARDS

POSTO 22		⧄ 50x50	t 4 mm	920 mm	**186L**
SIBLI 17		⧄ 120x120	t 4 mm	780 mm	**170L**
VIMARI 2316		ø 200 mm	t 4 mm	500 mm	**2316L**
				800 mm	**2323L**
STRAMARI 2320		ø 275 mm	t 4 mm	700 mm	**2320L**









POSTO 22

Collapsible bollard



MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 2002** polyester powder coating

Custom key to release the retaining system and tilt the bollard down to pavement level

Easy to use

Ideal for protecting parking spaces and driveways by preventing access by unauthorized vehicles. Suitable for apartment buildings, residential and private areas, especially where the installation depth does not allow the use of an automatic bollard.

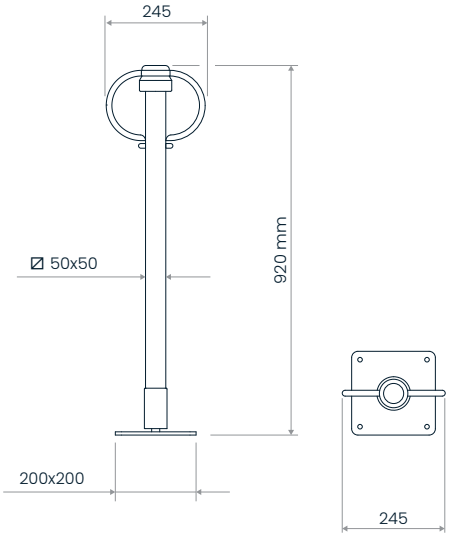
Strong

A key allows for the locking device to be released and fold the bollard down to the ground level.
Available in steel with cataphoresis treatment and polyester powder coating.

TECHNICAL DATA

	POSTO 22
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	920
Diameter (mm)	-
Thickness (mm)	4
Foundation casing	-
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	11

DIMENSIONS



SIBLI 17

Removable bollard

MATERIAL AND FINISH

Brushed stainless steel **AISI 304**

Custom key with pump cylinder for releasing the retaining system

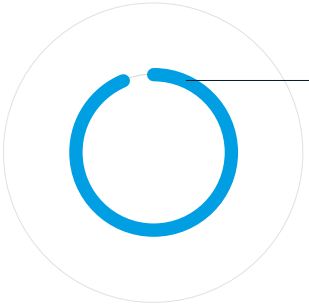


Versatile

Anti-ram protection for shop windows and blocking of unauthorized vehicles, ideal for driveways and situations where installation depth is limited for an automatic bollard.

Quick and easy installation

Easy to install, with no need for adjustments, calibration, power supply or wiring. Equipped with a roller at the base for easy movement and a pedestal for positioning.

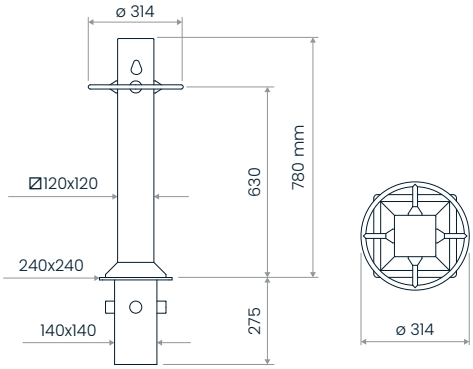


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	20.000 J	250.000 J

TECHNICAL DATA

	SIBLI 17
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	780
Diameter (mm)	-
Thickness (mm)	4
Foundation casing	brushed AISI 304 stainless steel
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	39

DIMENSIONS



VIMARI 2316

Removable bollard

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Brushed stainless steel **AISI 304**

Head with rubber corner guard



Activated by shaped release key (optionally available with triangular profile)

Easy to use

It requires no special adjustments or calibration and is easy and quick to install, with no need for power supply or wiring. It is ideal for preventing the parking or transit of unauthorized vehicles, protecting driveways, especially where the installation depth is insufficient for an automatic bollard. Compatible with **VIGILO series** automatic bollards.

Safe

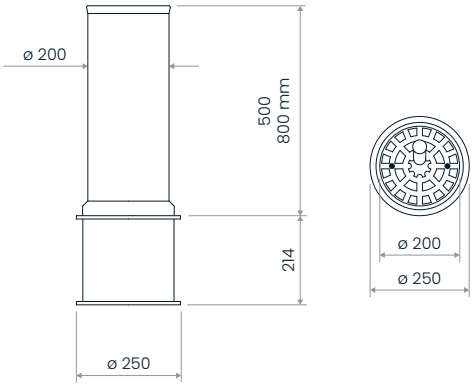
Release by shaped release key, optionally available with triangular profile. Cylinder head with rubber edge protection against strong impacts and approved high-intensity microprismatic retroreflective film for visibility even in darkness. Drive-over access cover with slip-resistant finish, resistant to pedestrian traffic.

Model	Constr.	Impact Resistance	Breakout Resistance
-	-	30.000 J	150.000 J

TECHNICAL DATA

	VIMARI 2316
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	500 | 800
Cylinder diameter (mm)	200
Cylinder thickness (mm)	4
Foundation casing	cataphoresis-treated
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	18 | 26

DIMENSIONS




FADINI
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STRAMARI 2320

Removable bollard

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Head with rubber corner guard



Activated by shaped release key (optionally available with triangular profile)

Easy to use

It requires no special adjustments or calibration and is easy and quick to install, with no need for power supply or wiring. It is ideal for preventing the parking or transit of unauthorized vehicles, protecting driveways, especially where the installation depth is insufficient for an automatic bollard. Compatible with **TALOS 94 and 96 series** automatic bollards.

Safe

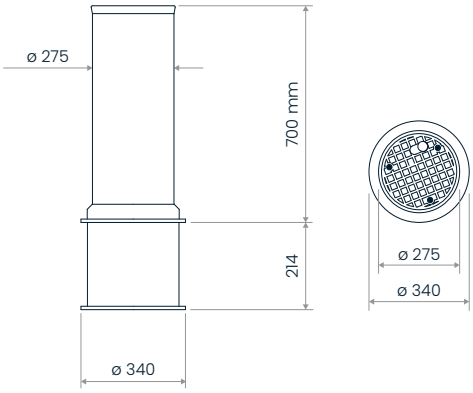
Release by shaped release key, optionally available with triangular profile. Cylinder head with rubber edge protection against strong impacts and approved high-intensity microprismatic retroreflective film for visibility even in darkness. Drive-over access cover with slip-resistant finish, resistant to pedestrian traffic.

Model	Constr.	Impact Resistance	Breakout Resistance
-	-	40.000 J	240.000 J

TECHNICAL DATA

	STRAMARI 2320
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	700
Cylinder diameter (mm)	275
Cylinder thickness (mm)	4
Foundation casing	cataphoresis-treated
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	33

DIMENSIONS





FIXED
bollards

SICU 18	52
CORAL	53
VIGILO	54
TALOS 94	55
TALOS C730	56
TALOS M50	57



GUIDE TO CHOICE

FOR FIXED BOLLARDS

CORAL	ø 100 mm	t 5 mm	**2541L**
VIGILO	ø 200 mm	t 4 mm	**2586L**





TALOS 94	ø 275 mm	t 4 mm	**9643L**



SENSITIVE AREAS.
ANTI-TERRORISM DEFENCE

TALOS C730 7,5 t | 48 km/h	ø 275 mm	t 12 mm	**9687L**
TALOS M50 7,5 t | 80 km/h	ø 275 mm	t 20 mm	**9695L**





SICU 18

Fixed bollard

MATERIAL AND FINISH

Brushed stainless steel **AISI 304**

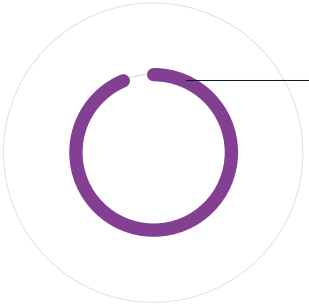


Armoured security

Anti-ram protection for shop windows and blocking of unauthorized vehicles, ideal for driveways and situations where installation depth is limited for an automatic bollard. Matches the SIBLI 17 removable bollard.

Easy to use

Easy to install, with no need for adjustments, calibration, power supply or wiring.

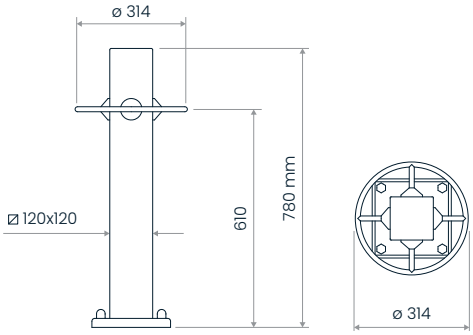


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	20.000 J	250.000 J

TECHNICAL DATA

	SICU 18
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Cylinder height from ground (mm)	780
Cylinder diameter (mm)	-
Cylinder thickness (mm)	5
Cylinder length (mm)	-
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	31

DIMENSIONS



CORAL

Fixed bollard

MATERIAL AND FINISH

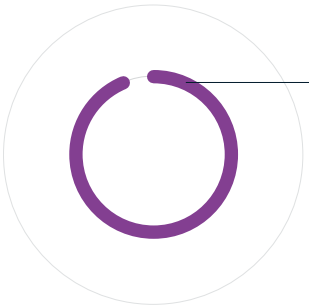
Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Head with rubber corner guard, 4 LED lights (optional).



Features

The CORAL fixed bollard is designed and manufactured with a design similar to the CORAL automatic models, allowing the two versions to be used together. It can be installed directly into the ground at different heights, with impact resistance varying according to the anchoring depth. Ideal for delimiting public or private areas and for preventing vehicle parking or access.

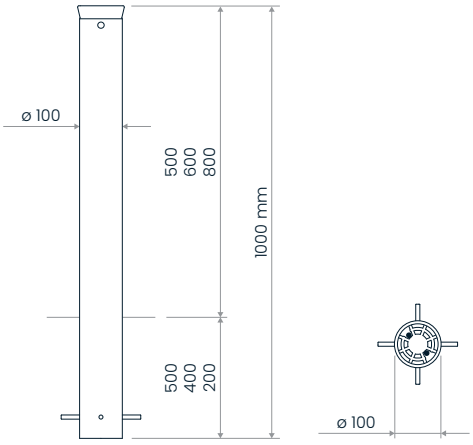


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	30.000 J	150.000 J

TECHNICAL DATA

	CORAL
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Cylinder height from ground (mm)	500 | 600 | 800
Cylinder diameter (mm)	100
Cylinder thickness (mm)	5
Cylinder length (mm)	1000
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	10

DIMENSIONS



VIGILO

Fixed bollard

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

Brushed stainless steel **AISI 304**

Head with rubber corner guard, 8 LED lights (optional).



Features

The VIGILO fixed bollard is designed and manufactured with a design similar to the VIGILO automatic models, allowing the two versions to be used together. It can be installed directly into the ground at different heights, with impact resistance varying according to the anchoring depth. Ideal for delimiting public or private areas and for preventing vehicle parking or access.

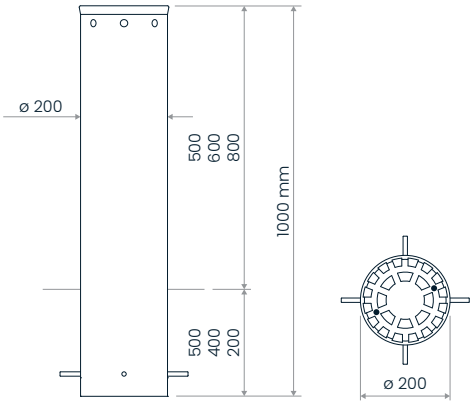


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	30.000 J	150.000 J

TECHNICAL DATA

	VIGILO
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Cylinder height from ground (mm)	500 | 600 | 800
Cylinder diameter (mm)	200
Cylinder thickness (mm)	4
Cylinder length (mm)	1000
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	21

DIMENSIONS



TALOS 94

Fixed bollard

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 1028** polyester powder coating

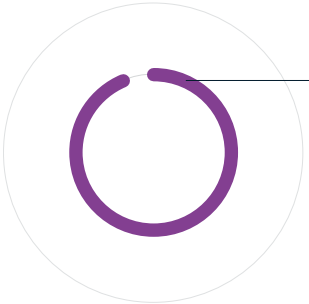
Brushed stainless steel **AISI 304**

Head with rubber corner guard and 12 integrated LED lights (optional)



Technology and applications

The TALOS 94 fixed bollard features a design coordinated with the corresponding automatic models, allowing fixed and automatic versions to be combined in the same installation. It can be installed directly into the ground at different heights, with impact resistance varying according to the anchoring depth. Ideal for delimiting public or private areas and preventing vehicle parking or access.

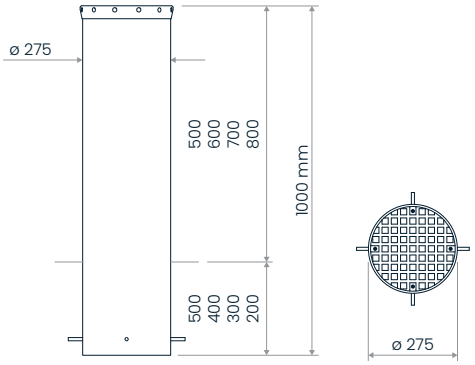


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	40.000 J	250.000 J

TECHNICAL DATA

	TALOS 94
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Cylinder height from ground (mm)	500 | 600 | 700 | 800
Cylinder diameter (mm)	275
Cylinder thickness (mm)	4
Cylinder length (mm)	1000
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	28

DIMENSIONS



TALOS C730

Fixed bollard for perimeter security

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

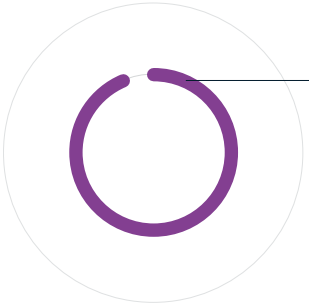
Brushed stainless steel **AISI 304**

Head with rubber corner guard and 12 integrated LED lights (optional)



Configuration

The TALOS C730 fixed bollard features a design coordinated with the corresponding automatic model, certified K4 | M30 | C730, allowing the two versions to be combined in the same installation. The fixed bollard must be concreted into the ground using a suitable foundation cage, thereby ensuring the required breakout resistance. Ideal for protecting sensitive areas where a high level of perimeter security is required.

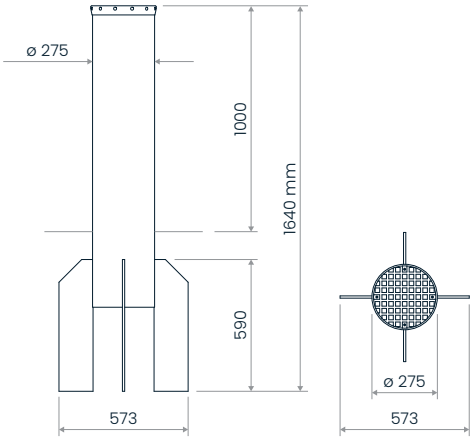


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	250.000 J	750.000 J

TECHNICAL DATA

	TALOS C730
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Cylinder height from ground (mm)	1000
Cylinder diameter (mm)	275
Cylinder thickness (mm)	12
Cylinder length (mm)	-
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	140

DIMENSIONS



TALOS M50

Fixed bollard for perimeter security

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating

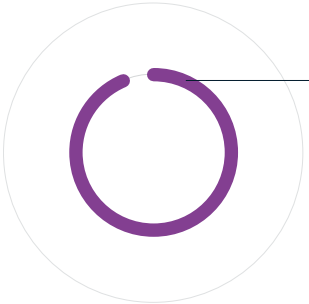
Brushed stainless steel **AISI 304**

Head with rubber corner guard and
12 integrated LED lights (optional)



Performance

The TALOS M50 fixed bollard features a design coordinated with the corresponding automatic model, certified K12 | M50 | C750, allowing the two versions to be combined in the same installation. The fixed bollard must be concreted into the ground using a suitable foundation cage, thereby ensuring the required breakout resistance. Ideal for protecting sensitive areas where a high level of perimeter security is required.

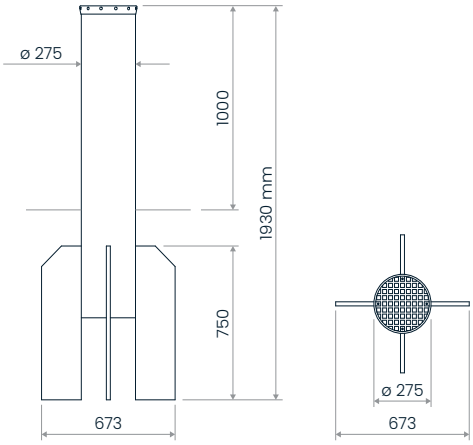


Model	Constr.	Impact Resistance	Breakout Resistance
-	-	700.000 J	2.000.000 J

TECHNICAL DATA

	TALOS M50
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Cylinder height from ground (mm)	1000
Cylinder diameter (mm)	275
Cylinder thickness (mm)	20
Cylinder length (mm)	-
Duty cycle (cycles/days)	-
Maximum static load (kg)	-
Weight (kg)	300

DIMENSIONS



ACCESSORIES

VISUAL 344	60
ACCESSORIES AND COMPLEMENTARY ELEMENTS for AUTOMATIC, SEMIAUTOMATIC, REMOVABLE AND FIXED BOLLARDS	62
COMMAND, SAFETY AND SIGNALLING DEVICES	66

VISUAL 344

Modular housing post
for access control systems

MATERIAL AND FINISH

Steel with cataphoresis treatment and **RAL 7016** polyester powder coating



Two- or three-light traffic lights, digital keypads, proximity readers and other dedicated accessories for system command, control and safety can be integrated.

Access control

Utility post in support of installations where road barriers or automatic, retractable bollards are used as it provides room inside it for the command and safety accessories.

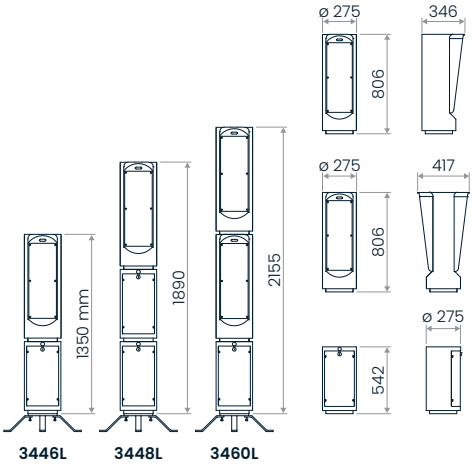
Versatile

The housing can be composed of stacked modules, each with an inspection door fitted with a key lock. It can also be made up of modules with one or two aluminium front panels for the integration of various control accessories and two- or three-light LED traffic lights. It is made of S235JRH steel, cataphoresis-treated and powder-coated to withstand weather conditions.

TECHNICAL DATA

	VISUAL 344
Power supply (Vac - Hz)	-
Max. absorbed power (W)	-
Max. absorbed current (A)	-
Height (mm)	1350 | 1890 | 2155
Cylinder diameter (mm)	275
Cylinder thickness (mm)	4
Panel	anodized aluminium 206x564 mm
Grade of protection IP	53
Weight of 2 modules (kg)	50
Weight of 3 modules (kg)	70

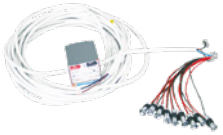
DIMENSIONS





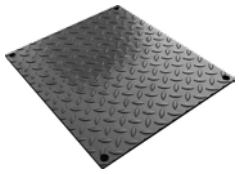
Accessories and complementary elements
for automatic, semiautomatic, removable and fixed bollards

CORAL



1062L

Kit of 4 signalling LEDs, 12 Vdc, with 230 Vac / 12 Vdc transformer and 10 m power supply cable.
Only for ø 100 mm cylinder



1068L

Pit metal cover, cataphoresis-treated



1078L

Burglar-proof pit cover plate, cataphoresis-treated aluminium. It does not allow access to the manual release device preventing the bollard from being lowered



2249L

Kit of stainless steel anti-burglary screws, designed to provide greater security against tampering attempts. Available exclusively for **CORAL** and **VIGILO** automatic bollards



2557L

Approved high-intensity micro-prismatic retro-reflective film, 330x80 mm,
for ø 100 mm cylinder



2590L

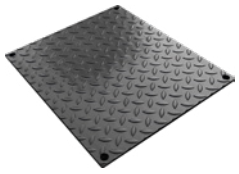
Kit consisting of 3 m electric heating cable, 230 Vac, 10 m power supply cable and 3 m aluminium adhesive tape, available exclusively for **CORAL**, **VIGILO** and **STRABUC 930 OPINAT** automatic bollards

VIGILO



2558L

Approved high-intensity micro-prismatic retro-reflective film, 630x80 mm,
for ø 200 mm cylinder



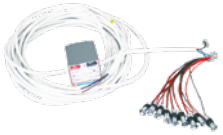
2560L

Pit metal cover, cataphoresis-treated



2567L

Burglar-proof pit cover plate, made of cataphoresis-treated aluminium. It prevents access to the manual release device, preventing the bollard from being lowered



2572L

Kit of 8 signalling LEDs, 12 Vdc,
with 230 Vac / 12 Vdc transformer and 10 m power supply cable

TALOS series



9540L

The head of the moving cylinder and the pit are designed and constructed to meet the requirements of a sloping road. Only for **TALOS 94**, **96**, **M30** and **C730** automatic bollards. Feasibility to be checked with our Technical Department according to the characteristics of the road surface



9560L

Pit H 1010 mm, hot-dip galvanized, with cataphoresis-treated aluminium cover and perforated plate. Available exclusively for codes:
9450L - 9460L - 9470L - 9450HL - 9450A4L
9460A4L - 9470A4L - 9450A4HL - 9450A6L
9460A6L - 9470A6L - 9450A6HL - 9651L - 9661L
9671L - 9651HL



9561L

Pit H 1210 mm, hot-dip galvanized, with cataphoresis-treated aluminium cover and perforated plate. Available exclusively for codes:
9480L - 9460HL - 9470HL - 9480A4L - 9460A4HL
9470A4HL - 9480A6L - 9460A6HL - 9470A6HL
9681L - 9661HL - 9671HL



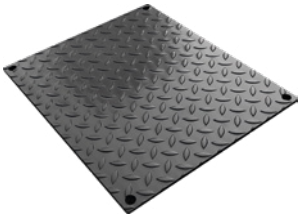
9562L

Pit H 1310 mm, hot-dip galvanized, with cataphoresis-treated aluminium cover and perforated plate. Available exclusively for codes:
9480HL - 9480A4HL - 9480A6HL - 9681HL



9563L

Pit H 830 mm, hot-dip galvanized, with cataphoresis-treated aluminium cover. Available exclusively for codes:
9450L - 9450A4L - 9450A6L - 9651L



9564L

Pit metal cover, cataphoresis-treated. Available exclusively for **TALOS 94, 96, M30** and **C730 automatic bollards** and **TALOS semiautomatic bollards**



9568L

Obstacle detection system with safety interface: it prevents the bollard from rising in case of obstacles and automatically reverses movement during the rising phase.
Available exclusively for **TALOS 94**, **96**, **M30** and **C730 automatic bollards**



FAIL SAFE | 9569L

24 Vdc solenoid valve allowing the bollard to lower automatically in the event of a power failure. To be used with voltage stabilizer code 9321L to ensure proper system operation.
Available exclusively for **TALOS 94**, **96**, **M30** and **C730 automatic bollards**. Factory-fitted device



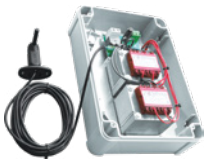
9570L

Heater for automatic bollards, designed to ensure proper operation down to -40 °C, even in the presence of snow and ice. Available exclusively for **TALOS 94**, **96**, **M30**, **C730** and **M50 automatic bollards**. Factory-fitted device



9571L

Thermostat to activate and power supply one heating device item code 9570L, complete with temperature probe



9572L

Thermostat to activate and power supply three heating devices item code 9570L, complete with temperature probe



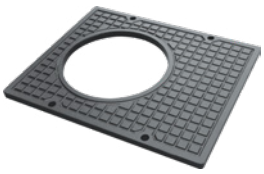
9573L

Kit of stainless steel anti-burglary screws, designed to provide greater security against tampering attempts. Available exclusively for **TALOS 94**, **96**, **M30** and **C730 automatic bollards** and **TALOS semiautomatic bollards**



9574L

Approved high-intensity micro-prismatic retro-reflective film, 875x80 mm, for ø 275 mm cylinder



9575L

Burglar-proof pit cover plate, made of cataphoresis-treated aluminium, designed to prevent access to the manual release device and unauthorized lowering of the bollard. Available exclusively for **TALOS 94** and **96 automatic bollards** and **TALOS semiautomatic bollards**



9576L

Flexible multipole cable type FG16OR16 12x1,5 mm² for TALOS bollards, in standard versions or versions fitted with one optional accessory (solenoid valve, presence detector or heater). N.B. The acoustic warning device does not affect cable sizing. Price per linear metre



9577L

Flexible multipole cable type FG16OR16 16x1,5 mm² for TALOS bollards, in versions fitted with at least two optional accessories (solenoid valve, presence detector or heater). N.B. The acoustic warning device does not affect cable sizing. Price per linear metre



9578L

Kit of stainless steel anti-burglary screws, designed to provide greater security against tampering attempts. Available exclusively for **TALOS M50** automatic bollard



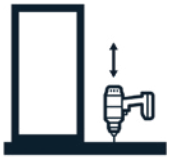
9579L

Magnetic reed contacts for safety signalling of the cylinder position (raised/lowered). Available exclusively for **TALOS semiautomatic** models. Factory-fitted device



9580L

Polymeric adhesive film, four-colour printed with matt or glossy transparent protective lamination, applied directly to the bollard cylinder. Complete design and graphic customization



9581L

Up&Down Drill device for emergency manual operation of the bollard. It allows raising and lowering by means of a drill driver with the supplied triangular insert. For **TALOS 94**, **96**, **M30**, **C730** and **M50 automatic bollards**. Factory-fitted device



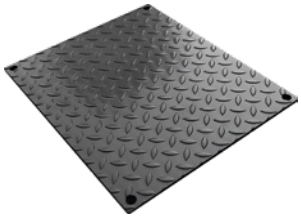
9684L

Satin-finished AISI 304 stainless steel cover sleeve, 12/10 thick, factory-fitted directly onto the bollard cylinder. Available exclusively for automatic, semiautomatic and fixed bollards with ø 275 mm cylinder and height from ground level up to 800 mm



9688L

Satin-finished AISI 304 stainless steel cover sleeve, 12/10 thick, factory-fitted directly onto the bollard cylinder. Available exclusively for automatic, semiautomatic and fixed bollards with ø 275 mm cylinder and height from ground level of 1000 mm



9693L

Pit metal cover, cataphoresis-treated. Available exclusively for **TALOS M50 automatic bollards**



9709L

Satin-finished AISI 304 stainless steel cover sleeve, 12/10 thick, factory-fitted directly onto the bollard cylinder. Available exclusively for automatic, semiautomatic and fixed bollards with ø 275 mm cylinder and height from ground level of 1100 mm

VIMARI 2316 | STRAMARI 2320 | GASPO series



2325L

Manual release system with triangular profile, complete with key. Available exclusively for **VIMARI 2316** and **STRAMARI 2320** removable models. Factory-fitted device



9200L

Manual release system with triangular profile, complete with key. Available exclusively for **GASPO 252**, **GASPO 254** and **TALOS semiautomatic** models. Factory-fitted device



9315L

Kit of stainless steel anti-burglary screws. Available exclusively for **GASPO 252** and **GASPO 254**

COMMON ACCESSORIES

60L

Custom paint finish (RAL colour range)



708L

Hydraulic "FADINI HF.PLI oil", in 2 liter can



9567L

Audible warning device for signalling the movement of the automatic bollard, designed to improve operational safety during rising and lowering phases. Available exclusively for **VIGILO** and **TALOS 94**, **96**, **M30**, **C730** and **M50 automatic bollards**. Factory-fitted device

Command, safety and signalling devices



2032L

Inductive detector for magnetic loops, for vehicle detection and access control on automatic gates, barriers and bollards. Technical data: dual channel for two magnetic loops, two independent relay outputs and one alarm output, 24 Vac/dc power supply



2037L

6 m circumference pre-assembled loop with 10 m connection cable



2042L

12 m circumference pre-assembled loop with 10 m connection cable



3206L

Pair of brackets for fitting the traffic light to a pole



3203L

Traffic light with aluminium body, ø 125 mm red and green lenses, fitted with 70 W incandescent lamps, 230 Vac power supply, complete with two wall-mounting brackets, plugs and screws



3204L

Traffic light with red, yellow and green lights, 70 W incandescent lamps, 230 Vac power supply, extruded aluminium body, 125 mm diameter lenses, complete with two wall-mounting brackets, plugs and screws



3210L

Traffic light with aluminium body, ø 125 mm red and green lenses, fitted with 5 W LEDs, 230 Vac power supply, complete with two wall-mounting brackets, plugs and screws



3218L

Traffic light with aluminium body, ø 125 mm red and green lenses, fitted with 5 W LEDs, 24 Vac/dc power supply, complete with two wall-mounting brackets, plugs and screws



3219L

Traffic light with aluminium body, ø 125 mm red, yellow and green lenses, fitted with 5 W LEDs, 230 Vac power supply, complete with two wall-mounting brackets, plugs and screws



3221L

Traffic light with aluminium body, ø 125 mm red, yellow and green lenses, fitted with 5 W LEDs, 24 Vac/dc power supply, complete with two wall-mounting brackets, plugs and screws



3212L

Electronic control panel for two- or three-light traffic lights, intended for car parks, residential complexes and all locations where regulated vehicle access management is required



3220L

Hazard road sign "Bollard in motion", made of box-section sheet metal with reflective film, dimensions 400x600x17 mm. Complete with fastening brackets, screws and support pole



7288L

E.A.R. 35 - Emergency acoustic receiver for detecting the two-tone signal of sirens approved by the Ministry of Transport and used on public rescue and public security vehicles. When the signal is detected, the device automatically generates a command to lower the bollards, ensuring the passage is cleared



9321L

Voltage stabilizer with 230 Vac input and stabilized 24 Vdc output. To be used with automatic bollards and oil-hydraulic road barriers fitted with solenoid valve; one voltage stabilizer is required for each device



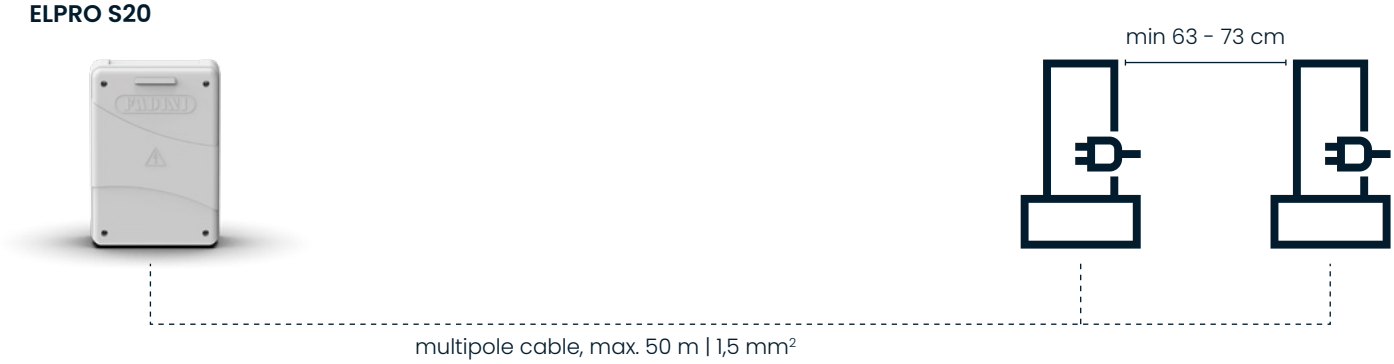
9331L

Emergency control in watertight box with illuminated button and two contacts

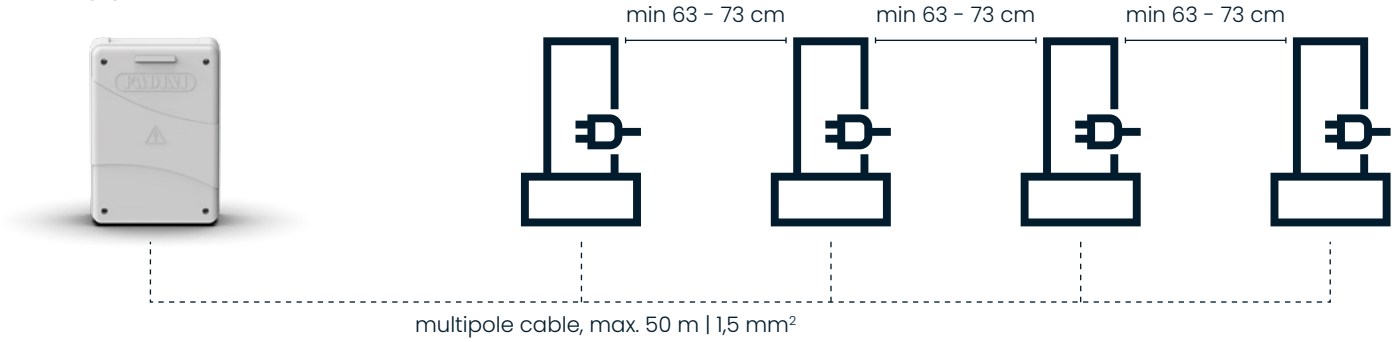
GUIDE TO CHOICE

ELECTRONIC CONTROL PANELS

ELPRO S20



ELPRO S40

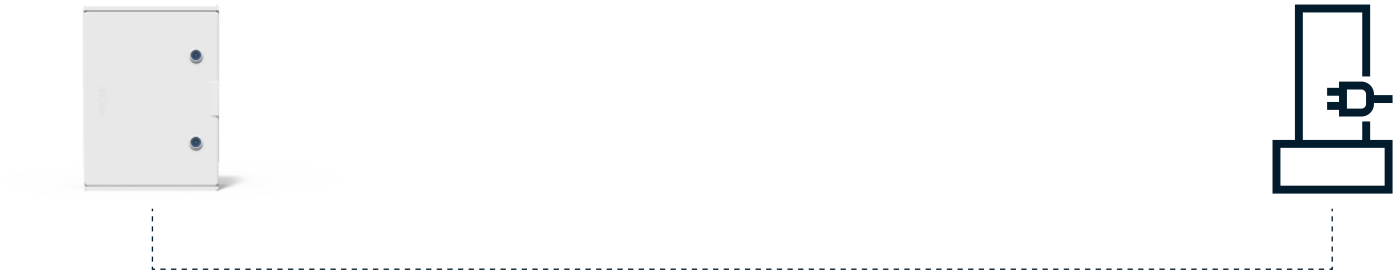


COMPATIBLE WITH:
CORAL, VIGILO, STRABUC 930 OPINAT, TALOS 94, TALOS 96, TALOS M30, TALOS C730

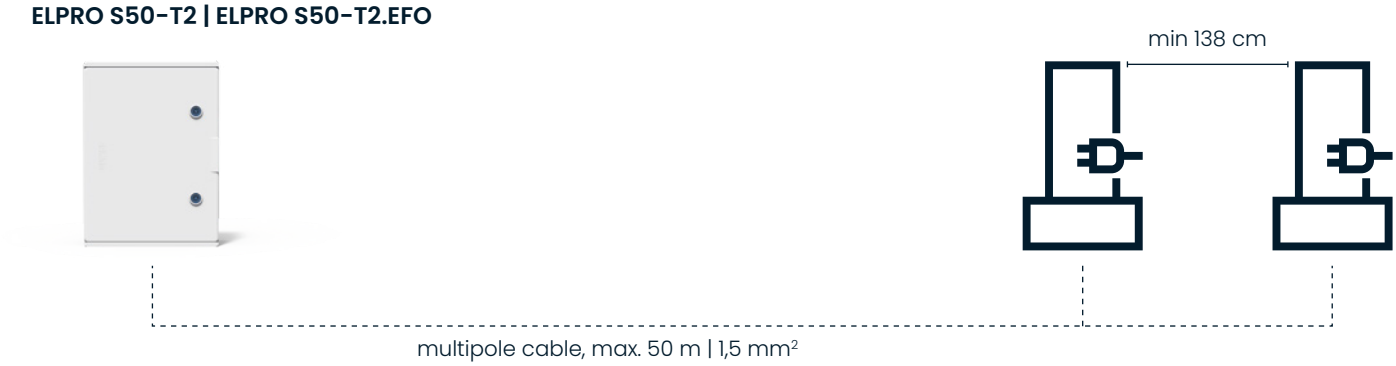
GUIDE TO CHOICE

ELECTRONIC CONTROL PANELS

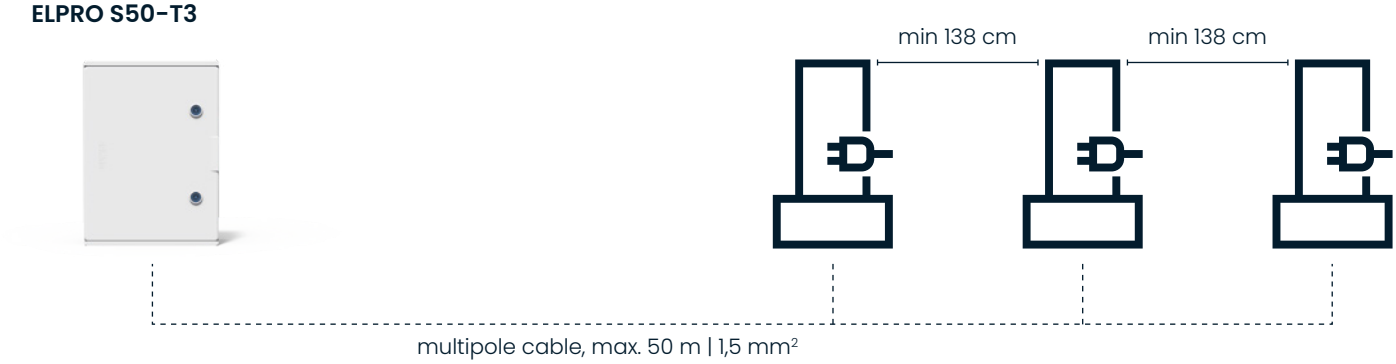
ELPRO S50-T1 | ELPRO S50-T1.EFO



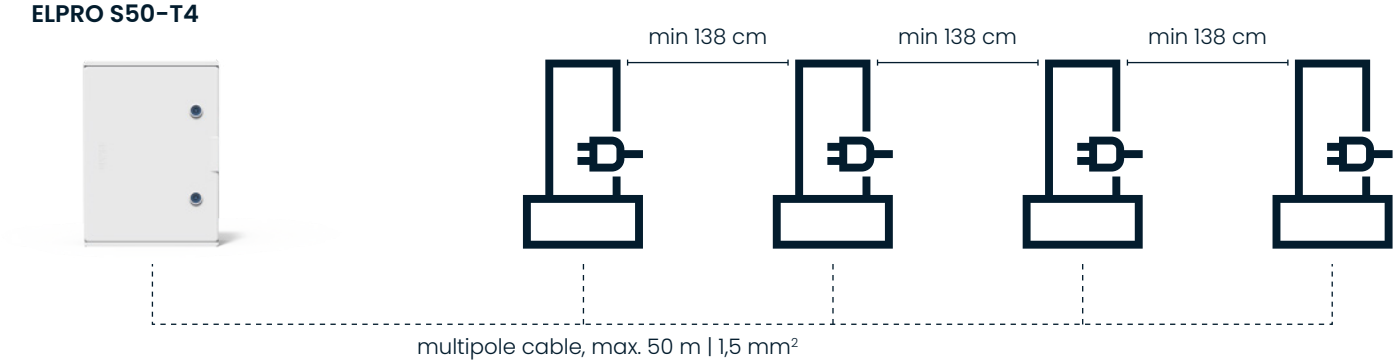
ELPRO S50-T2 | ELPRO S50-T2.EFO



ELPRO S50-T3



ELPRO S50-T4



COMPATIBLE WITH:
TALOS M50, TALOS M50.EFO

ELECTRONIC CONTROL PANEL ACCESSORIES



HELIOS 29 | 2746L

Plug-in electronic PCB designed for **ELPRO 27** | **S20** | **S40** | **S50** | **7RP** | **XE** control panels. Keeps the oil inside FADINI oil-hydraulic operators within its normal operating temperature range down to -40 °C. Adjustment by trimmer and built-in thermostat. Complete with temperature probe, 5 m cable and connector, and provision for optional external thermostat.
Board size: 50x110x160 mm. Probe size: 60x67x70 mm



2756L

Temperature probe for HELIOS 29 with 5 m cable and connector.
Probe size: 60x67x70 mm

2783L

Kit consisting of two microprocessors and one electronic PCB to connect multiple electronic control panels **ELPRO S20** | **S40** | **S50**, and configure the boards in a master-slave configuration in order to control multiple automatic bollards in the same access



DUPCO 72 | 7230L

Electronic PCB designed for the entire range of **ELPRO** control panels. DUPCO 72 makes it possible to get two dry output contacts by duplicating the single contact inputs of the limit switches. It is possible to connect to it up to two operators fitted with limit switches.
Board size: 32x61x100 mm



7282L

Plug-in electronic card for traffic lights control, for the **ELPRO** control panels (where applicable)



7285L

Watertight polyester box, IP 66, type GW46002 (310x425x160 mm) with solid door, fitted with a lock, and inner metal plate



7294L

Watertight polyester box, IP 66, type GW46003 (405x500x200 mm) with solid door, fitted with a lock, and inner metal plate



7295L

Watertight polyester box, IP 66, type GW46004 (405x650x200 mm) with solid door, fitted with a lock, and inner metal plate

Concept
Halfduck

Photos and Graphics
Bronwenir

Technical Design
Mirtilla

Reviewer
Alligator

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we have been building the future of automation.

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Meccanica Fadini S.r.l.
Via Mantova, 177/A
37053 Cerea (VR) Italy
Ph. +39 0442 330422
Fax +39 0442 331054
info@fadini.net
www.fadini.net