

**Dissuasore retrattile BLINDATO oleodinamico cilindrico**  
**INSTALLAZIONE INTERRATA**



*Vanishing armoured oleodynamic cylindrical dissuader*  
*GROUND INSTALLATION*



## Vanishing **ARMOURED** oleodynamic cylindric dissuader GROUND INSTALLATION

The "**CSA300/12**" is an **ARMOURED ANTI-BREAKING AND HIGH RELIABILITY DISSUADER**, equipped with an **OLEODYNAMIC** retractable totally vanishing system.

This automation is able to keep the energy generated from the impact with a vehicle weighting 3600 Kg. that goes at a speed of 50 Km/h.

The dissuader has the function of limiting the access of the vehicles and is suited for the protection of shops, malls, banks, concessionaries, particular accesses or for closing pedestrian areas or time slot regulated traffic ecc.

The dissuader passed all the proofs it has been tested by the CA body:

- Cyclic tests of 1.000.000 movements.
- Tests of electro-magnetical compatibility and electrical safety.
- Static load (EN124 D400) with a maximum load of 40.000 Kg.(CSA 300-D 400)

The dissuader's sizes are 273 mm of diameter, a thickness of 12 mm and a stroke of 700 mm.

The automation is composed of:

- **A mechanical pipe in Fe510** diameter 273mm, treated in two ways that protect it from the atmospherical agents:
  - Hot galvanizing in depth
  - Anti-scratch painting in silicone base in colour Anthraxite (on request, other colours are available).
- **An extractable hot galvanizing** structure containing a long lasting monolock hydraulic system. In a few space are placed:
  - the hydraulic piston, the tank, the oil bathed motor, the hydraulic pump, the distribution plate with valves of maximum pressure and a valve of bidirectional lock that assets the dissuader in every position.
  - A structure in a unique body composed of robust guides that ensures an optimal linearity and resistance to smashes. The easy extractable structure makes every test, maintenance or regulation on the dissuader easy and possible. The electrical cables are given in lenght of 10 m each.
- **A hot galvanizing formwork** (D485 mm xD 935mm), with holes for the passage of the electrical pipes . The pose of the formwork must be done on a sewer system or draining ground for the recovery of the water. The standard installation foresees a dig of 1,45 mt. from the ground level.
- **A collector with manual release of emergency (patented)**, working by a personalized device. It can be added:
  - The hydraulic electrical valve of release for the going down of the dissuader in lack of tension
  - The manostat.
  - The armoured pump locking with personal key to ensure total safety even in case of tampering or vandalism.
  - Acoustic signaller 230Vac.
- **A crown of eight (8) LED** posed around the circumference of the dissuader.
- **Magnetic limit switches IP67** installed both in opening and in closing to regulate the maximum stroke of the dissuader (the equipped cables are 10m long)
- **A retro-reflective adhesive stripe with high bright response**, that allows the visibility of the dissuader in the night hours.

There are optionals that can be installed together with the basic dissuader:

- **SAFETY SENSITIVE HEAD (patented)**: It is approved as safety device for the detection of the obstacles by the counterweight movement of the aluminium cover that, in presence of an obstacle ( minimum 3 Kg.) inverts the movement ensuring the maximum safety. Inside the safety device are used redundant limit switches with positive opening (for the safe interruption of the signal) and multipolar connector with quick graft IP67 for the fast and safe connection of the bright and sensitive head. The sensitive head belongs to the values of the limitation of the allowed forces of the law EN12453.
- **CONTROL BOARD**:  
It is dedicated to the management of: four (4) dissuaders, bright head, electrical valve, safety devices and safety sensitive head. unique for the respect of the current rules. certified because it passed tests of electro-magnetical compatibility and electrical safety, among which the law EN60204-1. r.e.m. redundancy system that ensures the good working of the dissuader even in presence of a breakdown, avoiding unexpectedly starting or missing stop. traffic lights, this output is managed to make the dissuader rise only after a scrupulous internal control.
- **SOUND RECOGNIZER**
- **MAGNETIC TRACER**
- **PHOTOCELLS**
- **SELF REGULATING RESISTANCE WITH SINK IN ALUMINIUM**

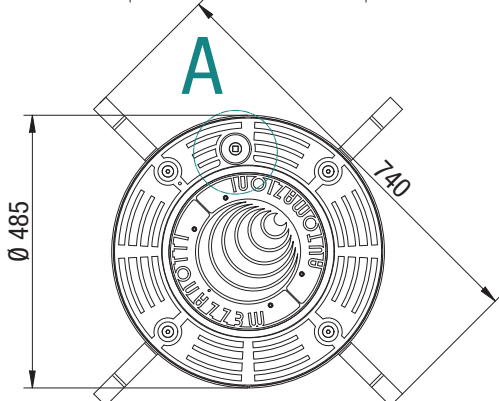
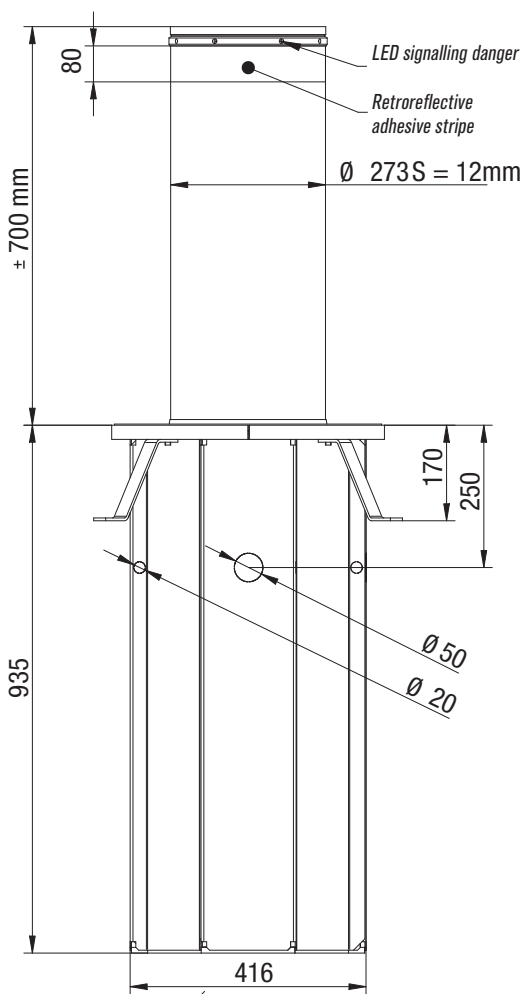
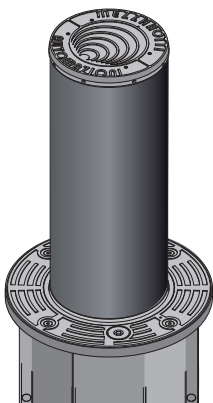
Available on request other kind of accessories

**CHECK-UP**: Every dissuader is given with an initial check up that foresees a continuous cycle of four (4) days to validate quality and functionality.

**FULL OPTIONAL**: The basic dissuader thanks to its versatility has the possibility of transforming itself in a **FULL** optional dissuader.

**EASY MAINTENANCE**: equipped with a system that makes the substitution and the maintenance easy in a few and simple steps.

## GENERAL VIEW



## TECHNICAL DATAS

### HYDRAULIC BOARD

Hydraulic pump	P 30
Hydraulic capacity	5,27 litres/M
Working pressure	15 bar
Maximum pressure	30 bar
Static weight	17 Kg
Protection rating	IP 54
Working temperature	-20°C ++60°C
Hydraulic oil type	ATF DEXRON ISO VG32

### HYDRAULIC PISTON

Diameter of piston	40 mm
Diameter of stalk	16 mm
Stroke of stalk	740 mm
Time of exit of stalk	8 sec

### ELECTRICAL ENGINE

Absorbed power	350 Watt
Power supply	230 Vac ±10% - 50hz
Rotation speed	2.800 RPM
Absorbed current	2,1 A
Capacitor (to add)	12,5 µF
Lubrication	Hydraulic oil

### PERFORMANCES

Cycle of service	10s opening - 30s pause- 10s closing
Time of complete cycle	50 secondi
Complete cycles opening-pause-closing	N°C 72/hour
Annual cycles (with 12 hour-working per day)	N° 210.000
Going down of column in lack of tension	12 seconds

### EQUIPMENT CHARACTERISTICS

Total weight CSA300/12-2008	180 Kg
Mechanical pipe material	Fe510
Resistance to IMPACT (guesstimate)	29.000 J
MECHANICAL PIPE COLOUR	Anthracite gray.
Maximum certified static load	EN124 D400 (40.000 kg)
LED power supply	24 Vcc

Socket-Plug IP 67 for rapid uncoupling of sensitive head

Magnetic LIMIT SWITCHES (NC) (contact characteristics: V150-W10-A0,5)

### FURTHER ACCESSORIES

Armoured lock to protect the release

Acoustic signaller 230 Vac

OBSTACLES DETECTION, high reliability; minimum sensitiveness 3 Kg

Heating resistance for low temperatures.

