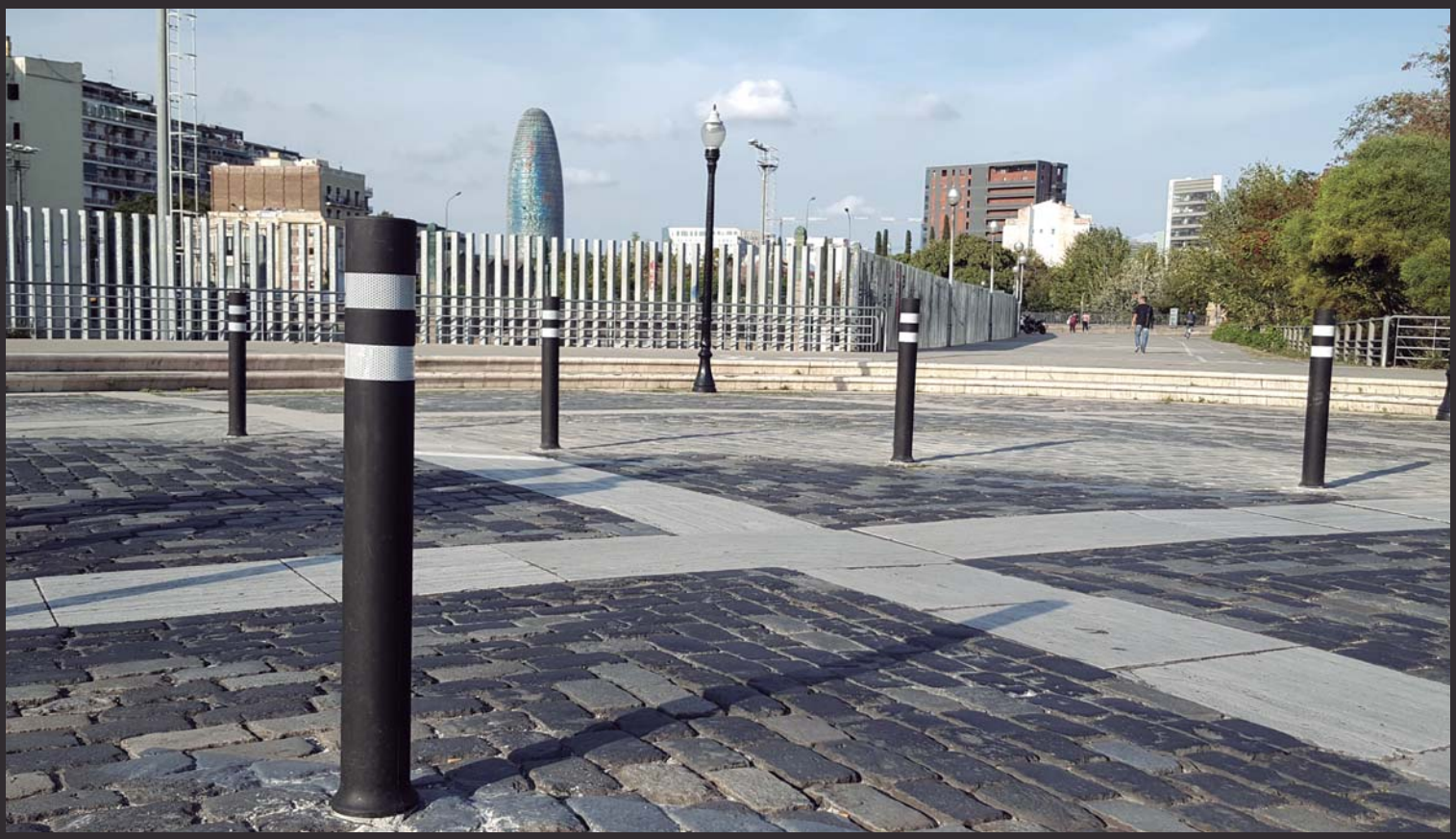


FLEXIBLE BOLLARDS A-RESIST DT

www.adosa.es

Flexible Bollards designed and manufactured by ADO

(Patented Design)

The flexible A-Resist DT (double reflective strips) are made from a material that, when impacted, allows the post to return to its original shape and position. This makes them almost indestructible.

Their rigidity depends on where they are installed, which allows them to avoid passing vehicles in whirlpool areas or simply to bend after the impact of a vehicle warning the driver who deviates from the road.

A-RESIST DT MODELS

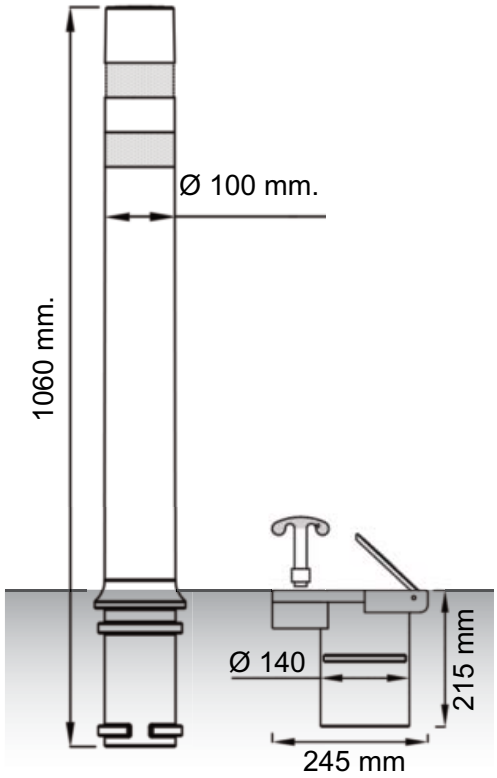
PATENTED MODELS

NATIONAL ADO PRODUCT

Reference	Colour	Hardness
PRESISTDTHN		High (H)
PRESISTDTSN		Low (S)
PRESISTDTSR		Low (S)
PRESISTDTSV		Low (S)

Référence	Couleur
BEXTRAP01	

MESURES



Removable plastic base in black color with folding top lid. Has a standard triangular key located on the side of the base to lock the lid when closed or to lock the bollard once inserted into the hole.

FEATURES **A-RESIST DT** HIGH RESISTANCE FLEXIBLE BOLLARDS

- Almost unbreakable.
- 100% recyclable.
- No painting. Do not rust.
  Do not require maintenance.
- Excellent flexibility for all hardnesses / flexibilities.
- Return to their original form in case of impact.
- Excellent resistance and flexibility to impacts by any weather.
- High resistance to oils, greases and many solvents.
- High resistance to abrasion.
- Pleasant touch.
- Aesthetically identical to metallic bollards.
- Best visibility, two reflective strips.

Hardness	Recommended uses
High (H)	Installation in pedestrian zones and curves roads for better protection of pedestrians and to avoid the parking of vehicles. Urban cores.
Low (S)	Installation in high-risk areas. Roads, highways, signage, etc.

There are two types of flexibility for the same model, allowing the installation of terminals in different places while maintaining the same appearance: cities, roads, parking, shopping centers, airports, ...



The properties of this material allow the bollards, in case of shock, to return to their initial shape and position. They do not break, do not dent and do not rust.

ADVANTAGES OF A-RESIST AS COMPARED TO OTHER BOLLARDS

As compared to metallic bollards:	As compared to plastic bollards:
- Lighter. - Low noise generation. - Resistant to rust and corrosion. - No maintenance.	- High resistance, no brittleness. - Elastomer memory (compression and resistance) - High resistance to wear.
As compared to rubber bollards:	**As compared to polyurethane bollards:**
- High resistance to wear. - Resistance to cuts and tears. - Impact resistance. - Resistance to ozone. - Great variety of hardnesses (shore A and D).	- Resistance to high temperatures. - No crystallization (does not break). - High resistance to humid environments (Hydrolysis included). - Free of many chemicals.




A-RESIST BOLLARDS CERTIFICATES

1. Certificate Appls IDIADA A-Resist's Impact Test on the Head (HIC).

The results obtained in the test are lower than < 650.
- A-Resist H (high rigidity) is lower than 471.
- A-Resist S (low rigidity) is lower than 144.

Applus IDIADA

2. Certificate Appls IDIADA A-Resist's Impact Test on the Body (AIS).

The results obtained in these tests show a level of acceleration of the body related to a probability of serious injury AIS of 12% for the model H.

Applus IDIADA

3. Certificate of exceeding a bending of 6000 cycles at 90º.

More than 6,000 bending cycles were performed without any slits appearing on the bollard surface and during which the bollard was returned to its original position after the force required to bend it to 90º was applied

Applus IDIADA

4. Certificate test of the impact of a vehicle at more than 80 km / h.

Impact of a vehicle over 80 km / h against the A-Resist bollard without being damaged.

5. Certificate of class E fire resistance

UNE-EN ISO 11925-2:2011 BUREAU VERITAS Certification

This classification was carried out in accordance with the procedures specified in UNE-EN 13501-1: 2007 + a1: 2010: "Classification according to the behavior of construction products and construction elements".

6. Certificate of conformity Reach

REACH COMPLIANCE

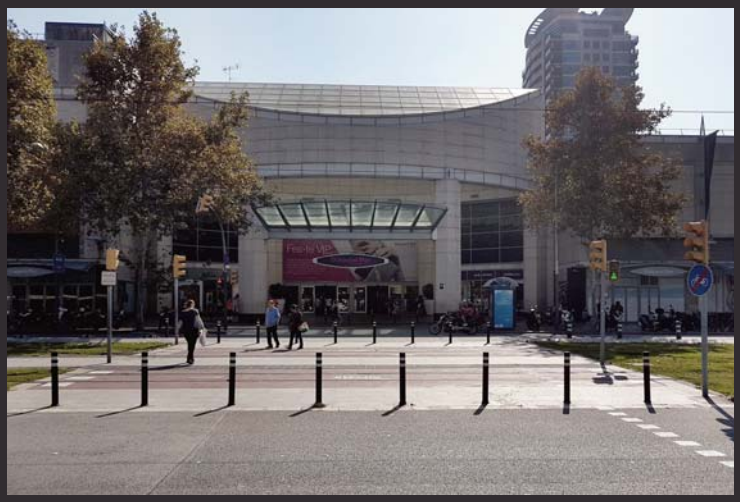
Flexible bollards made of materials subjected to strict European REACH (U.E.) regulations are free of heavy metals and contaminants, as well as harmful substances.

7. Certificate CE.

CE

The A-Resist bollards comply with the General Product Directive of the European Community according to the standard 2001/95 / CE, R.D. 1803/2003.





ADO

+34 93 456 03 02

ado@adosa.es

www.adosa.es