

Aurelia90° bollards

Flexible steel bollards with Augustaflex® technology



Standard steel bollards



Aurelia90° flexible steel bollard



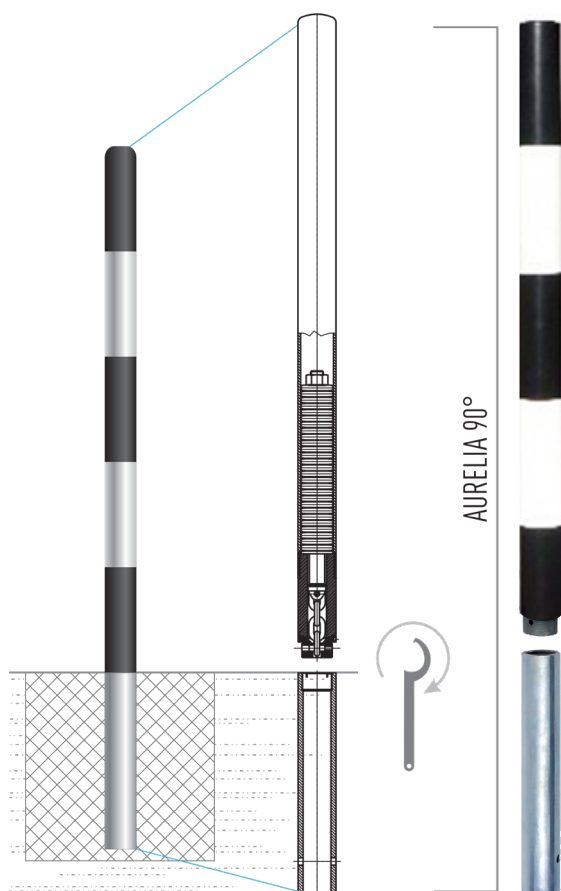
AUGUSTAFLEX® technology for signposts and bollards

Smart traffic solution

SAEDI offers a smart solution to the urgent problem of damaged signposts and bollards in impacts zones, disorderly look and signposts' maintenance - innovative Augustaflex® technology with disc springs.

Signposts and bollards with patented Augustaflex® technology look as traditional fixed ones, but in collision event they do not get deformed or broken - Augustaflex® system allows for 40° or 90° bending angle on impact, returning immediately to the upright position.

Augustaflex® signposts and bollards bend only on sufficiently strong impact such as car hits but stay vertical in case of human interactions and gusts of wind.



Application:

- impact zones, critical places with high frequency of damage
- parking lots, loading zones, turns of roads, narrow streets
- pedestrian zones and residential areas, inconvenient areas for manoeuvres

Characteristics:

- optimal strength level. Aurelia90° bollard bends just on car impact from 8kNm2 and stays vertical in case of human interactions
- up to 90° bending angle on impact in any direction, bollard turns back immediately to the upright vertical position
- resistant to high-speed collisions
- steel or steel INOX material
- Ø60,3mm / Ø76mm, customised
- 3 variants of installation, surface or ground sleeve installation

Benefits:

- high aesthetic and security appeal
- cut maintenance and replacement costs
- protect urban look and parking lots surface

Assembly:

Aurelia90° bollard includes:

- bollards with integrated flexible system Augustaflex®
- ground sleeve or other installation fixing part (for choice: ground plate, ground sleeve with quick release mechanism)

Certification: CE EN 12899-1



Guarantee: 5 years for Augustaflex® functionality



Aurelia90° bollard's performance declared in accordance with EN 12899-1 (based on Robinson90°)

		Ø60.3mm	Ø76mm
Maximum bending angle		90°	90°
Maximum bending moment (Mu)		1.405kNm	1.791kNm
Bending moment (Mu)	TDB6	0.799 kNm	1.121 kNm
Bending strength (EI)		7.99 kNm ²	11.210kNm ²
Maximum torque moment (Tu)	TDT6	0.511 kNm	0.506 kNm
Torsional rigidity (GI)		0.44 kNm ²	0.440 kNm ²
Performance in case of impact with vehicle, passive safety	NPD		
Material quality	steel-SP1 / stainless steel-SP2		
Painting	powder coating (except stainless steel models)		
Applied force for 6° bending (1 meter from the ground)		~80kg	~112kg

Aurelia90° bollards, Ø60.3mm/Ø76mm

INSTALLATION

	ground sleeve	ground plate	quick release, removable bollards
Type of installation	concrete foundation Ø60.3mm - 40cmx40cmx40cm Ø76mm - 50cmx50cmx50cm	within concrete ancors	concrete foundation Ø60.3mm - 40cmx40cmx40cm Ø76mm - 50cmx50cmx50cm



Design

Steel

INOX steel

Illuminated



Customised bollards in various heights, diameters and colours are available on request.