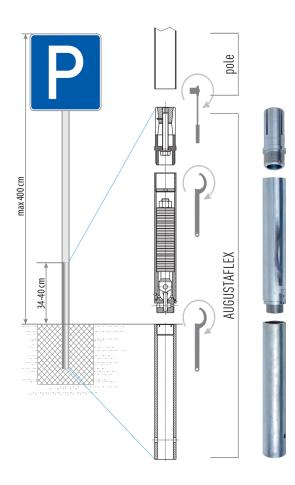


# <section-header>

# AUGUSTA **FLEX®** technology for signposts and bollards

SAEDI offers an intelligent solution to the urgent problem of damaged signposts and bollards in impact zones, disorderly aesthetics, and signpost maintenance – the innovative Augustaflex® technology with disc springs. Signposts and bollards equipped with the patented Augustaflex® technology appear like traditional fixed structures. However, in the event of a collision, they do not deform or break. The Augustaflex® system allows for a bending angle of 40° or 90° upon impact, promptly returning to the upright position. Augustaflex® signposts and bollards bend only in the case of sufficiently strong impacts, such as car collisions, but remain vertical during human interactions and gusts of wind.



### Application:

- Impact zones and critical areas with a high frequency of damage.
- Parking lots, loading zones, and crossroads.
- Residential areas, especially in areas inconvenient for maneuvers.

### **Characteristics:**

• Optimal strength level: The signpost bends only upon a car's impact starting from 18 kNm2 and remains vertical in case of human interactions.

- Up to a 40° bending angle upon impact in any direction; the sign-post returns immediately to the upright vertical position.
- Diameter options: Ø60.3mm/Ø76mm, total signpost height up to 400cm.
- Four installation variants: surface, ground sleeve installation, or within lower expander for existing signpost and plinth.

### Benefits:

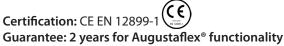
- Reduced maintenance and replacement costs.
- Protection of urban aesthetics and parking lot surfaces.
- Enhanced safety: the sign is clearly visible to traffic participants.

Components of Augusataflex upright kiti ncludes:

1. Upper expander for a joined pole with a wall thickness of 2.9mm (available on demand in 2mm/2.9mm/3.6mm). The upper expander is fixed to a pole using a dynamometric key.

2. Augustaflex flexible upright.

3. Ground sleeve or another fixing part (options include: lower expander, ground plate, ground sleeve with a quick-release mechanism).



# www.saedi-group.com



# Augustaflex upright performance declared in accordance with EN 12899-:

		Ø60.3mm	Ø76mm
Maximum bending angle		40°	40°
Maximum bending moment (Mu)	TDB6	1.8048 kNm	2.8526 kNm
Bending strength (EI)		18.048 kNm2	28.526 kNm2
Maximum torque moment (Tu)	TDT5	0.226 kNm	0.322 kNm
Torsional rigidity (GI)		0.3965 kNm2	0.280 kNm2
Performance in case of impact with vehicle, passive safety	NPD		
Material of Augustaflex components, resistance to corrosion	Steel, SP1		
Wind action	WL0		
Material quality of post (complimentary)	S235JR G2, minimum		
Applied force for 6° bending (1 meter from the ground)		~180kg	~280kg

# Augustaflex upright, Ø60.3mm/Ø76mm, recommended total maximum signpost´s height - 400cm

INSTALLATION	ground sleeve	lower expander	ground plate	quick release
	AF60B1	AF60B1	AF60B1	AF60B1
	AF76B2	AF76B2	AF76B2	AF76B2

Augusatflex upright is easily fixed to a convetional post within upper expander and dynamometric key



New installation	+	-	+	+		
Upper expander for joined pole with wall thickness of	2mm/2.3mm/2.6mm/2.9mm/3.2mm/3.6mm					
Total maximum signpost´s height	can be varied according to height of pole joined to Augustaflex flexible upright, recommended signpost total height is no more than 400cm					
Total weight Ø 60.3mm	11.0 kg	9.2 kg	12.6 kg	13.9 kg		
Total weight Ø 76mm	16.8 kg	14.9 kg	17.3 kg	20.4 kg		
Possibility of signpost's removal by means of hook spanner (30 seconds)	+	+	+	+		
Possibility of fast signpost's removal by means of triangular key (5 seconds)	-	-	-	+		

# www.saedi-group.com SAEDI GmbH, +39 0471 1800 359, info@saedi-group.