

Robinson90° flexible signposts

Flexible upright and signpost with Augustaflex® technology



Standard signpost



Robinson90° flexible signpost

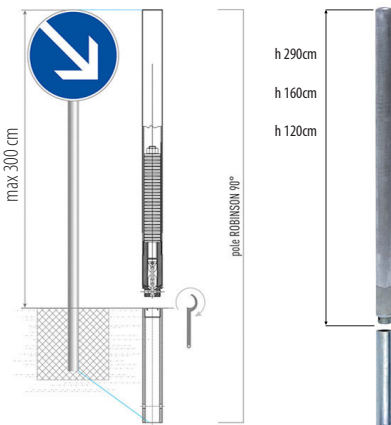
STEEL 100%	MADE OF STEEL
90° ANGLE, IMPACT RECOVERY	
5 YEAR GUARANTEE	5 YEARS GUARANTEE



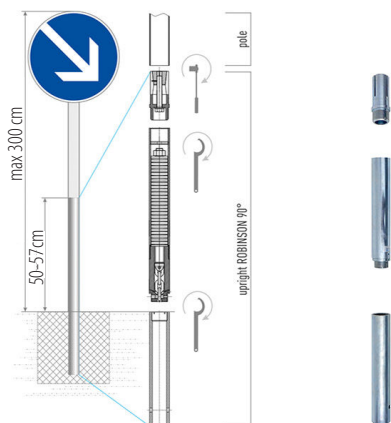
AUGUSTAFLEX® technology for signposts and bollards

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.

NEW Height till 300cm



1 Robinson90° signpost model



2 Robinson90° upright model

The flexible upright is easily affixed to a conventional round sign post within upper expander.

Application:

- Traffic islands.
- Roundabouts.
- Inconvenient areas for maneuvers
- Freight terminals, warehouses
- Impact zones, critical locations with a high frequency of damage

Characteristics:

- Optimal strength level: The signpost bends only under strong impact from 7.99kN/m2.
- Up to a 90° bending angle in any direction, returning immediately to the upright vertical position after a car impact.
- Resistant to medium-speed collisions.
- Available in flexible signpost and flexible upright versions.
- Diameter options: Ø60.3mm/Ø76mm, with a total signpost height of up to 300cm.
- Different installation variants for surface or ground sleeve installation.

Benefits:

- Drastically reduce maintenance and replacement costs.
- Protect urban and road aesthetics.
- Ensure clear visibility of the road signs.

Components:

- Robinson90 signpost includes:
 1. signpost with integrated Augustaflex®
 2. fixing part (choice of fixing options)
- Robinson90 upright includes:
 1. upper expander for signpost pole with wall thickness (2mm/2.9mm/3.6mm)
 2. flexible upright with Augustaflex
 3. fixing part (choice of fixing options)

Certification: CE EN 12899-1

Guarantee: 5 years for Augustaflex® functionality



Robinson90° performance declared in accordance with EN 12899-1

		Ø60.3mm	Ø76mm
Maximum bending angle		90°	90°
Maximum bending moment (Mu)	TDB6	0.799 kNm	1.121kNm
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 of Augustaflex components, resistance to corrosion	Steel, SP1		
Material of pole (only for Robinson90° flexible signpost version)	hot galvanized EN1461		
Wind action	WLO		
Material quality of post (complimentary)	S235JR G2, minimum		
Applied force for 6° bending (1 meter from the ground)		~80kg	~112kg

INSTALLATION

ground sleeve

concrete foundation
 Ø60.3mm - 40cmx40cmx40cm
 Ø76mm - 50cmx50cmx50cm

plate

rubber traffic islands,
 within ancors

ground plate

within concrete ancors



Robinson90° flexible signpost, Ø60.3mm, Ø76mm,

1 recommended signpost's height 160cm, with special version up to 300cm

2 Robinson90° flexible upright, Ø60.3mm, Ø76mm,

The flexible upright is fixed to a standard post within the upper expander. The upper expander is selected based on the wall thickness of the connected pole, with options ranging from 2mm to 3.6mm.

The total maximum height of the signpost can be adjusted according to the height of the post connected to th.

Customized signposts in various heights and diameters are available on request.