

SPECIFICATION
Lane-Flex Reboundable Post
300mm, 450mm, 750mm & 1000mm

Definition

The **Lane-Flex Reboundable Post** are a unique Multi-directional flexible post which is attached as a surface mount type placement They are capable of withstanding repeated impacts and wheel-overs in all directions.

Durability & Weathering Resistance

The **Lane-Flex Reboundable Posts** are capable of retaining a minimum 90% of their appearance and physical properties for at least five years when exposed to the extremes of weather conditions. The post will not deform more than 10 deg from the vertical position within the three (3) years warranty period.

Testing has proven that there is no change in physical properties when subjected to temperatures as low as -60 deg. C to as high as +80 deg. C

Material

The **Lane-Flex Reboundable Posts** are manufactured from a specially formulated Polyurethane compound.

Typical Physical Properties

PHYSICAL PROPERTY	TEST METHOD	TYPICAL VALUES
Shore Hardness	ASTM D-2240	88A
Tensile Strength	ASTM D-412	5800 psi
Elongation @ Break	ASTM D-412	630%
Modulus @ 100% Elongation	ASTM D-412	950 psi
Modulus @ 300% Elongation	ASTM D-412	1450 psi
Tear Strength	ASTM D-624 (Die C)	540 lb/in
Abrasion Loss	DIN 53.516	20 mm ³

Dimensions for 1000mm Post

Width Top of Post - Overall width (facing traffic) = 80mm diameter

Width Bottom of Post - Overall width (facing traffic) = 100mm diameter

Height - Above Ground to bottom of post = 1010mm

Base Diameter = 200mm

Dimensions for 750mm Post

Width Top of Post - Overall width (facing traffic) = 65mm diameter

Width Bottom of Post - Overall width (facing traffic) = 76mm diameter

Height - Above Ground to bottom of post = 750mm

Base Diameter = 200mm

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Dimensions for 450mm Post

Width Top of Post	- Overall width (facing traffic)	= 68mm diameter
Width Bottom of Post	- Overall width (facing traffic)	= 76mm diameter
Height - Above Ground to bottom of post		= 450mm
Base Diameter		= 200mm

Dimensions for 300mm Post

Width Top of Post	- Overall width (facing traffic)	= 72mm diameter
Width Bottom of Post	- Overall width (facing traffic)	= 76mm diameter
Height - Above Ground to bottom of post		= 300mm
Base Diameter		= 200mm

Impact Resistance

The **Lane-Flex Reboundable Post** return to their original position after every impact in any direction, therefore eliminating the need for re-straightening. They have been Impact Tested to over **300,000 impacts without failure and Wheel-over tested to 34,000 times by 30T Truck.**

Tested & complies with BS EN 13422:2004 / 7.8, 7.9 & 7.10

Finish and Colour

All faces of the **Lane-Flex Reboundable Post Bases** are smooth and free of any sharp edges and come in a standard safety colour of Bright Orange. High performance Pigments offer high colour strength and good light and weatherfastness. Other colors available are White, Black, Blue, Green, Red & Yellow.

Reflective Sheeting

The **Lane-Flex Reboundable Post** use the highest quality **Microprismatic (Diamond Grade)** reflective sheeting.

Colours available are Silver, Yellow & Red

Durability - 7 + years.

Solvent Resistance – Meets the requirements of LS-300C section 3.6.7 when tested as specified in Table V1, test method 4.4.6

Coefficient of Retro-reflection
(Candelas/IncidentLux/Square Metre)

Observation Angles	Entrance Angles	Silver (CIL)@ 0°	Silver (CIL)@ 90°	Class1 Min. AS/NZS1906.1	Class 1A Min. AS/NZS1906.1
0.2°	4°	708.4	1175	250	800
0.33°	4°	344.5	597	180	360
1.0°	4°	26.7	120	20	10
0.2°	15°	638.7	1058	220	500
0.33°	15°	265.6	571	160	340
1.0°	15°	25.2	122	16	9
0.2°	30°	461.8	673	150	400
0.33°	30°	225.8	446	10	190
1.0°	30°	45.1	71	9	9

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Base Anchorage

The **Lane-Flex Reboundable Post** can be :-

Bolt-Down Base: Bolted onto any concrete surface with the use of any of the common types of masonry anchors available.

Recommended min. dia. of masonry anchor is **12mm dia. x 60mm long with 25mm dia. Washer.**

Glue-Down Base: Glued onto any concrete or bitumen surface with the use of quick setting Epoxy Glue.

Removable Base: Socket can be Glued into Core drilled hole of 40mm dia. on any concrete or bitumen surface with the use of quick setting Epoxy Glue.