

SM - POLYURETHANE SURFACE MOUNT FLEXIBLE BASE

DIMENSIONS AND SPECIFICATIONS

Overall Width (facing traffic)	110mm
Height	100mm
Base Length	165mm
Fastening holes x2	12mm diameter x 15mm deep with 28mm diameterx5mm deep washer recess

RECOMMENDED DIMENSIONS FOR POST ATTACHMENT

It is highly recommended that only Delnorth Steel Flex guide posts are installed on the SM bases. Mixing different products with different design criteria and production tolerances may lead to components sub optimal performance. These posts are to be attached by the use of two vandal resistant huck bolts.

Post Type	Delnorth Steel Flex
Overall Width (facing traffic)	105mm
Recommended Height	Min - 700 / Max - 1200mm

DEFINITION

The Delnorth SM hinge has been independently mechanically impact tested to 7.5 million impacts without failure. The SM hinges are manufactured from specially formulated polyurethane compound and have been weather tested for ten years. No change in physical properties were recorded when subjected to temperatures as low as -30 celsius to as high as +60 celsius.

DURABILITY

The SM hinge is capable of retaining a minimum 75% of its appearance and physical properties for at least ten years when exposed to extreme weather conditions throughout Australia.

BENDING PROPERTIES

The load required to bend the SM base with a RIGID post length of 950mm long to an angle of 90 degrees is measured at 70N

BASE ANCHORAGE

To maximise performance, the Delnorth SM Surface Mount hinge should be installed with the front facing the oncoming traffic. The SM hinge can be bolted onto any concrete surface with the use of all common types of masonry anchors available.

The recommended installation is as per the instructions. Pre-drill a 14mm x 110mm hole into the concrete surface. Clean the hole and surface area thoroughly to improve epoxy adhesion. Apply epoxy to the hole and to the SM base, especially around the fastening holes. Insert a 14mm x 90mm rawl plug, flush to the surface. Screw in a 10mm x 100mm coach screw fitted with a 25mm O/D washer before the epoxy hardens.

FINISH & COLOUR

All faces of the SM hinge are smooth, free of any sharp edges and come in a standard colour of safety yellow. The Steel-Flex posts to suit the SM hinge come in standard colours with a range of delineation and sign mounting options.