

# The FlexStake<sup>1</sup>™, Tubular Marking System

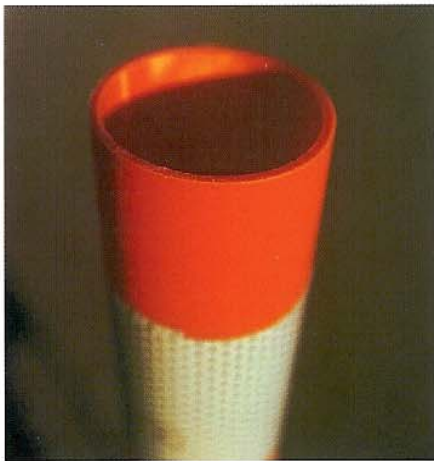
## CAPABILITIES

Though suitable as a multi-purpose traffic delineator, FlexStake<sup>1</sup>™ was especially designed as a hi-impact channelizer for sites where traffic from side streets would be merging with traffic in a thoroughfare. The TM is an impact-resistant surface mounted post that has all the advantages of the internationally acclaimed FlexStake SM, plus an enhanced 360° visibility.

## UTILITY

With a base height of only 1 9/16", our surface-mount is the lowest and safest on the market. The TM Channelizer may be mounted on concrete, asphalt, or to the FlexStake FlatFoot<sup>1</sup>. (*FlatFoot is a portable base that stays where you put it, even when the marker is hit repeatedly at 55mph.*)

For channelization in sand, dirt or loose rock, the FlexStake<sup>1</sup>™ (tubular ground mount) is the post of choice.



*FlexStake™ is extruded from a semi-flexible hi-impact polymer developed especially for this purpose by our engineers. TM Channelizers are currently available in White or standard DOT Orange.*

## DURABILITY

Thanks to our patented hinge, when FlexStake<sup>1</sup>™s are used for channelization, only 5% to 10% may ever need replacing. Other posts can experience up to 100% failure within a few days. Our stakes take repeated vehicular impacts at 35mph, 55mph, and even 80mph. They typically withstand 75 or more vehicular impacts at 55mph. In certified A-B comparison tests, our posts have outlasted every other delineator on the market by a considerable margin. For verification of these results, please ask for any of the certified test reports we keep on hand. A video of various FlexStake<sup>1</sup>™ markers undergoing rigorous tests is available upon request.

## CONSTRUCTION

To retain FlexStake<sup>1</sup>™ reputation for durability, our engineers have developed a whole new plastic for the TM post.

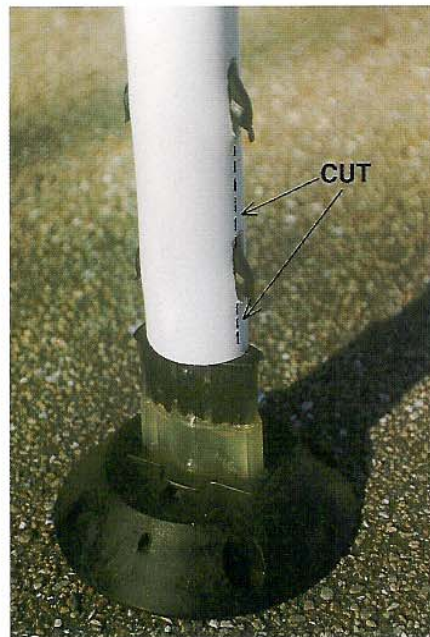
The TM hinge and base are of the same basic design as that of the highly regarded FlexStake<sup>1</sup>™ SM, however the hinge has been beefed up to carry the additional weight and stress of the heavier tubular post.

The post is an impact-resistant color-impregnated special polymer extrusion that has been UV-stabilized. The post section is fitted over an internal stiffener which in turn is joined to a unique, UV-stabilized, flexible hinge. The hinge is then attached to a standard SM surface mount. The mount is a molded assembly of polycarbonate regrind.

The post, inner core and base are all of various recycled, post-consumer plastics. In fact, over 75% (by weight) of FlexStake<sup>1</sup>™ is of post-consumer plastics!

## REPAIRABILITY

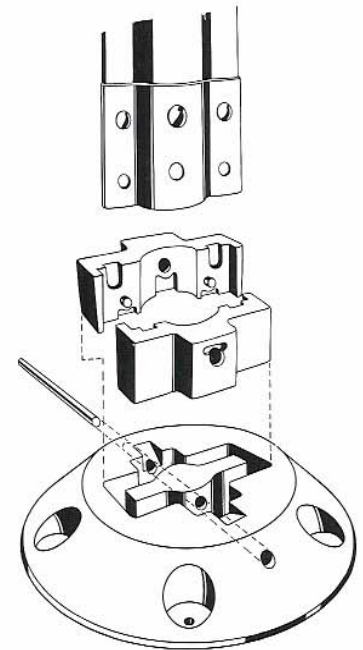
The TM Marker is a five part assembly: [1] the post, [2] the inner-core and hinge, [3] the base, [4] the grips, [5] the pin. If the post inner-core or hinge assembly is damaged, it can be replaced without dismantling the base. Just follow these simple steps:



*In the unlikely event that a post is damaged, the post itself can be replaced without demounting the base. Just slit the post between and under the mounting horns (as shown in picture above). Pull the damaged post off of the inner core. Press the replacement post over the core, making sure that the mounting horns fully engage the holes in the post.*

## REPLACING THE HINGE

1. Using a drift pin, drive the securing pin out of the base.
2. Insert a screwdriver in the grip slots and pry up the grips.
3. Remove the grips from the damaged post, and install them on a new post.
4. Push the new post and grips over the base centerpod, starting at one end.
5. Straighten the post over the base centerpod. Tap the top of the post to sink the grips into the base.
6. With a small hammer, drive the pin into the base and through the grips and hinge to unify the whole assembly.



*The lo-profile mount is unique and protected by patent. For further details on post, hinge or base, please refer to the FlexStake<sup>1</sup>™ HD and SM data sheets.*

*For more information, please write or call:*

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